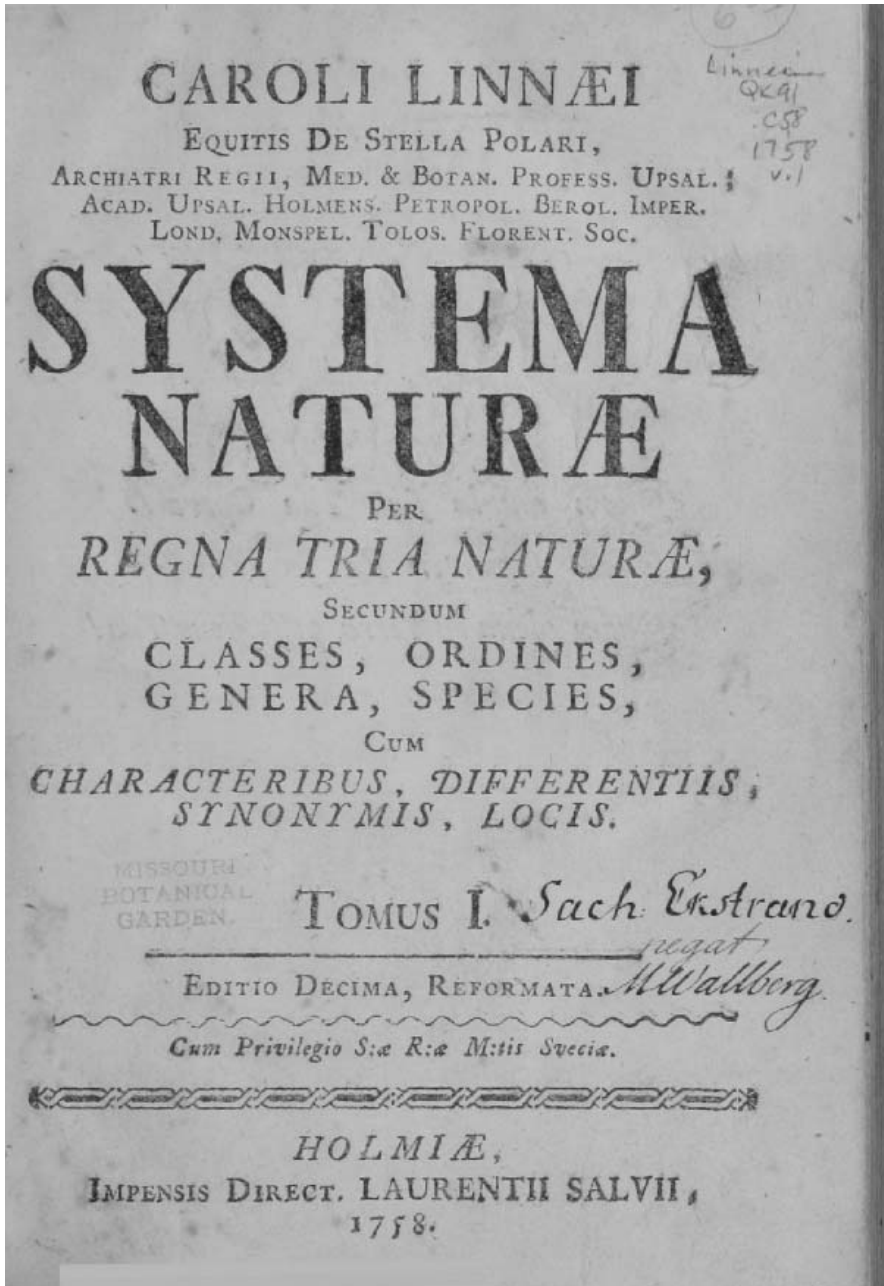


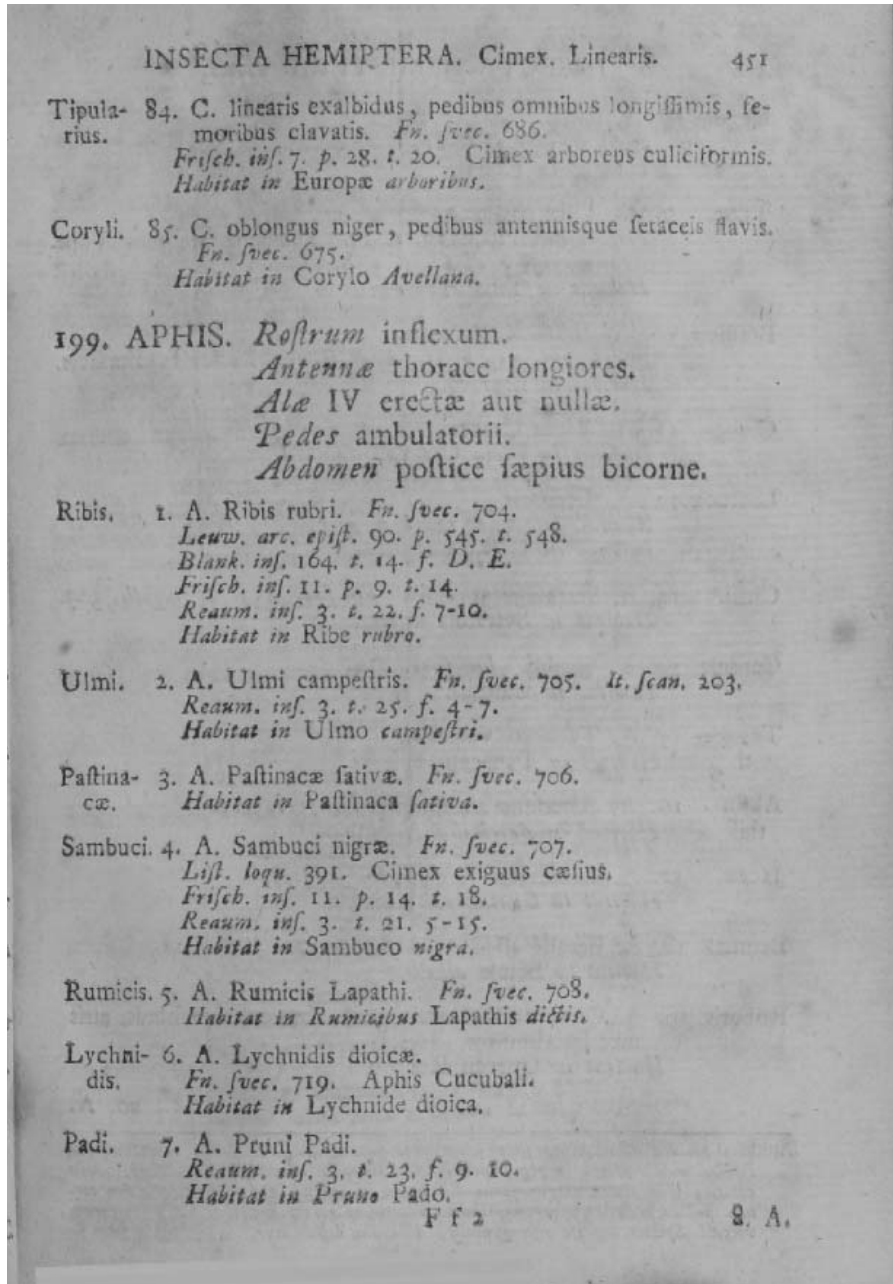
**REGISTER OF GENUS-GROUP TAXA OF  
APHIDOIDEA**

**REGISTRO DE LOS TAXONES DEL NIVEL  
GÉNERO DE APHIDOIDEA**

**Juan M. Nieto Nafría, Colin Favret, Shin-ichi Akimoto,  
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Cover and page 451 of *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, by Carolus LINNÆUS, 1758, acquired 21 December 2010 from the Biodiversity Heritage Library <<http://www.biodiversitylibrary.org/item/10277>> as contributed by the Missouri Botanical Garden.



Cubierta y página 451 de *Systema Naturae Per Regna Tri Naturae, Secundum Classes, Ordines, Genera, Species, Cum Characteribus, Differentiis, Synonymis, Locis. Editio Decima, Reformata*, de Carolus LINNAEUS, 1758, descargadas el 21 de diciembre de 2010 de Biodiversity Heritage Library < <http://www.biodiversitylibrary.org/item/10277> > contribución del Missouri Botanical Garden.



## **REGISTER OF GENUS-GROUP TAXA OF APHIDOIDEA**

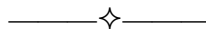
This “Register of the genus-group taxa of APHIDOIDEA” corresponds to the proposal approved by the delegates attending the Eighth International Symposium on Aphids –see Preface– with the addition of taxa described since 31 December 2005, the cutoff date for the proposal.

The genus-group names included here belong to the same superfamily, APHIDOIDEA, as contextualized and circumscribed in the “Register of family-group taxa of APHIDOIDEA”.

Some nomenclatural clarifications resulting from the preparation of this work have already been published in 2009 (*Redia*, 92: 119–123) and 2010 (*Zootaxa*, 2410: 65–68).

This “Register” is composed of two sections: “Available Names” and “Unavailable Names”.

As in the “Register of family-group taxa” (see above), the terms “available” and “unavailable”, and likewise “valid” and “invalid” are used with the exact meanings as laid out in the “International Code of Zoological Nomenclature, Fourth Edition” (henceforth the “Code”).



### **THE AVAILABLE NAMES**

Each available name is presented with the following details: (1) the name itself with its author and year of publication, (2) the bibliographic citation, (3) the name’s rank at the time of publication, (4) the name’s type species, (5) its objective status, and when appropriate, (6) its subjective status and (7) taxonomic position.

### Available names: taxon name

The name is presented as published, altered only if a correction is required by applying “Code” Article 33.2.2:

The correction of an incorrect original spelling in accordance with Article 32.5 is a “justified emendation”, and the name thus corrected retains the authorship and date of the original spelling [Art. 19.2].

unless an exception is granted by applying Article 33.2.3.1:

When an unjustified emendation is in prevailing usage and is attributed to the original author and date it is deemed to be a justified emendation.

Author names can be presented following recommendation 51E of the “Code”, with the formula “Author X *in* Author Y”, indicating that the taxon was named by one or more authors within the work of another; for example “Buckton *in* Cotes”, “Tao *in* Eastop and Hille Ris Lambers”, “Börner *in* Börner and Schilder” or “Zhang (G.-x.) & Qiao *in* Qiao, Zhang (G.-x.) and Zhao (F.)”. In order that authorship attributions not extend at length, we have not employed this technique, but instead incorporated the taxon author within the bibliographic reference (see below).

If the general aphid bibliography contains multiple authors with the same surname, we provide the author’s first name initials in parentheses in the in-text citation.

The year of publication of each name is the actual year, not the one specified in the published work itself. We did not use the double date method presented by the “Code” (Recommendation 22A.2.3), for example, for a work printed as having been published in 1974 but actually published in 1977: “1977 (1974)”. Instead, the secondary date is presented in the citation in parentheses before the colon preceding the reference’s page numbers (see below).

### Available names: bibliographic references

If the taxon author is not the same as the publication’s author, the bibliographic reference is presented with the publication’s author, thus avoiding the loss of attribution information.

If the printing year as specified in the publication is not the real, actual publication year, it is included in brackets before the colon preceding the reference’s page numbers.

The text “[*preprint*]” after the title of the book or article indicates that the author distributed a preprint prior to the distribution of the book or journal volume proper. The name is considered published with the initial distribution, in accordance with “Code” Article 21.8:

Advance distribution of separates and preprints. Before 2000, an author who distributed separates in advance of the specified date of publication of the work in which the material is published thereby advanced the date of publication. [...].

Bibliographic references are given with the journal or book's full name, but article and book chapter titles are not presented. Titles are given in the original language if in the Latin alphabet. Those in a Cyrillic alphabet are transliterated using established standards and checked by A.V. Stekolshchikov. If the title is printed in Chinese or Japanese, a phonetic translation was made by G.-x. Qiao or M. Sano, respectively. If the journal or book title is bilingual, only one language is used.

When available, we included the journal's issue number along with its volume number.

The single page in citations is that on which the taxon name appears ahead of its formal description, or on which is presented the "indication", for taxa proposed prior to 1931, even if diagnostic characters are presented prior (in an abstract, key, figure legend, table, list, etc.). In the case when the only description is embedded in other text, or forms part of a dichotomous key, the page cited is the one on which the name appears, usually at the end of the text or key dichotomy, in contrast with formal descriptions where the name usually appears at the beginning.

### **Available names: type species**

We present the type species in its original combination, with its author and actual year of publication. If the species name is invalid, we give the valid name, also in its original combination in accordance with Recommendation 67B of the "Code":

The name of a type species should be cited by its original binomen. If the name of the type species is, or is currently treated as, an invalid name, authors may also cite its valid synonym.

We specify the method of type designation using the "Code" terminology (original designation, monotypy, subsequent designation, etc.), except when the name is a replacement name or an unjustified emendation, in which case we use "denoted by", in accordance with "Code" Article 67.8:

Type species of nominal genus-group taxa denoted by new replacement names.- If an author publishes a new genus-group name expressly as a new replacement name (nomen novum) for a previously established name, or replaces a previously established genus-group name by an unjustified emendation [Art. 33.2.4], both the prior nominal taxon and its replacement have the same type species, and type fixation for either applies also to the other [...]

### **Available names: objective status**

Objective status refers exclusively to nomenclatural criteria enumerated in the “Code”. A name’s objective status is stable and invariant over time, and independent of taxonomic classification.

In each case, besides being available, we specify if the name is potentially valid or objectively invalid. If invalid, the reason for its invalidity is given, usually for being an objective junior synonym or a junior homonym. In some cases, additional details concerning the name’s objective status are provided, for example the replacement name of a junior homonym.

No further data are given for objectively invalid names, but we present more details concerning objectively valid names.

### **Available names: subjective status and taxonomic position**

Subjective status and taxonomic position are based entirely on subjective criteria and as such were not part of the proposal to the International Commission on Zoological Nomenclature. We do include these data here in the Register for their taxonomic importance.

We state whether the name is subjectively valid or invalid, and if the latter, the reason for invalidity.

We provide the taxonomic position for subjectively valid taxa only. Readers are directed to the Register entry of the senior synonym to find the taxonomic position of invalid names.



## **THE UNAVAILABLE NAMES**

For each unavailable name, we provide: (1) the taxon name with its author, year of publication, and reference citation, and (2) the reason for being unavailable.

Taxon and author names, dates, and references are treated as described above.

Causes of unavailability are those as enumerated in the “Code” (see below).

We did not record misspellings, whether incorrect original spellings or typographical/transcriptional errors, which are frequent in the aphid literature, as in zoological literature in general, and which appear frequently in so-called synonymic lists. Some misspellings of generic aphid names are recorded as



such in such synonymic lists and in general catalogues, such as the *Survey*, but others have been lost to the ancient literature.

Some subsequent misspellings were incorrectly considered justified emendations and hence, for a time, treated as available; for example: “Schizonevra” and “Tetranevra” attributed to Agassiz (1846), “Pterochlorus” attributed to Passerini (1866), “Rhyzobius” attributed to Ferrari (1872), and “Macrosiphon” attributed to Del Guercio (1914); correctly *Schizoneura*, *Tetraneura*, *Pterochlorus*, *Rhizobius*, and *Macrosiphum*, respectively. Correctly, they are not justified emendations in accordance with “Code” Article 33:

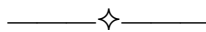
33.1. Kinds of subsequent spellings. A subsequent spelling of a name, if different from the original spelling [Art. 32.1], is either an emendation [Art. 33.2], or an incorrect subsequent spelling [Art. 33.3], or a mandatory change [Art. 34].

33.2. Emendations. Any demonstrably intentional change in the original spelling of a name other than a mandatory change is an “emendation”, except as provided in Article 33.4.

33.2.1. A change in the original spelling of a name is only to be interpreted as “demonstrably intentional” when in the work itself, or in an author’s (or publisher’s) corrigenda, there is an explicit statement of intention, or when both the original and the changed spelling are cited and the latter is adopted in place of the former, or when two or more names in the same work are treated in a similar way.

33.3. Incorrect subsequent spellings. Any subsequent spelling of a name different from the correct original spelling, other than a mandatory change or an emendation, is an “incorrect subsequent spelling”; it is not an available name and, like an incorrect original spelling [Art. 32.4], it does not enter into homonymy and cannot be used as a substitute name, but [...]

33.5. Cases of doubt. In any case of doubt whether a different subsequent spelling is an emendation or an incorrect subsequent spelling, it is to be treated as an incorrect subsequent spelling (and therefore unavailable), and not as an emendation.



## ADDITIONAL DETAILS

Number of established genus-group taxa of APHIDOIDEA: 1,330.

The first available genus-group taxon is *Aphis* Linnaeus, 1758, and the currently most recent available genus-group taxon is *Gondvanoaphis* Wegierek & Grimaldi, 2010.

The first genus-group taxa proposed for the rank of subgenus were: *Adactynus* Rafinesque, 1918, *Dactynotus* Rafinesque, 1918, and *Loxerates* Rafinesque, 1918; they are available but doubtful, although *Dactynotus* was in common use for some time.

*Dactynotus* was used for 38 years. In 1939, Hille Ris Lambers (*Temminckia*, 4: 1–134), in considering its type species to be *Aphis hieraciumpaniculatum* Rafinesque, 1818, thus designated by Börner & Schilder –see entry in Register– proposed it be classified within the Macrosiphini as a group we now call *Uroleucon* Mordvilko. In 1977, Eastop and Hille Ris Lambers (*Survey of the World's Aphids*) listed *Dactynotus* as invalid, presumably because they could not confidently place the type species. Eastop and Hille Ris Lambers, or any other author, could have designated a neotype for *Aphis hieraciumpaniculatum*, thereby solidifying its taxonomic context and that of *Dactynotus*, but this was not done. We can find no practical reason for designating a neotype today, 30 years since *Dactynotus* was demoted in favor of *Uroleucon*, now in combination with over 230 valid species.

### **Unavailable nominal genus-group taxa of APHIDOIDEA**

Number of unavailable names: 110.

#### ***Summary of unavailable names, their authors, and reason for unavailability***

Four names by Aizenberg (1954) are unavailable because they appeared in a work not officially published in accordance with “Code” Articles 8.1.1 and 9.9.

[A work must satisfy the following criteria:] it must be issued for the purpose of providing a public and permanent scientific record.

[Notwithstanding the provisions of Article 8, none of the following constitutes published work within the meaning of the Code:] abstracts of articles, papers, posters, texts of lectures, and similar material when issued primarily to participants at meetings, symposia, colloquia or congresses.

Sixty-six names are unavailable because Amyot (1847, *Méthode mononymique*) failed to apply binomial nomenclature in accordance with Article 11.4:

The author must have consistently applied the Principle of Binominal Nomenclature [Art. 5.1] in the work in which the name or nomenclatural act was published; however, this Article does not apply to the availability of names of taxa at ranks above the family group.

and with the Opinion of suppression adopted by the International Commission on Zoological Nomenclature (China, W.E. [Ed.]. 1963. Opinion 686. Amyot, *Méthode mononymique*: placed on the Official Index of rejected and invalid works in Zoological Nomenclature. Bulletin of Zoological Nomenclature, 20(6): 423).

Four names by Shinji (1927), Del Guercio (1930), Börner (1952), and Richards (1971) were established in synonymy contrary to Articles 11.5 and 11.6.1, which respectively state:

Names to be used as valid when proposed. To be available, a name must be used as valid for a taxon when proposed [...].

[A name which when first published in an available work was treated as a junior synonym of a name then used as valid is not thereby made available] However, if such a name published as a junior synonym had been treated before 1961 as an available name and either adopted as the name of a taxon or treated as a senior homonym, it is made available thereby but dates from its first publication as a synonym (for type species if a genus-group name see Article 67.12; [...]; for authorship see Article 50.7).

Four names by Leach (1826), Williams (1891), and Mordvilko (1924, 1929), were proposed before 1931 and with neither descriptions nor indications, contrary to Article 12.1:

To be available, every new name published before 1931 must satisfy the provisions of Article 11 and must be accompanied by a description or a definition of the taxon that it denotes, or by an indication.

Two Mordvilko names (1908, 1914) were proposed before 1931 with neither description nor indication (Article 12.1) and also without containing any valid species, per Article 12.2.5:

[For the purposes of this Article the word “indication” denotes only the following:] in the case of a new genus-group name, the use of one or more available specific names in combination with it, or clearly included under it, or clearly referred to it by bibliographic reference, provided that the specific name or names can be unambiguously assigned to a nominal species-group taxon or taxa;

Thirteen names by Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, three names), Börner (1949, 1952), Pašek (1966, two), Knowlton (1972), and A.K. Ghosh (1974, two), were proposed after 1930 without a text description per Article 13.1:

To be available, every new name published after 1930 must satisfy the provisions of Article 11 and must

- 13.1.1. be accompanied by a description or definition that states in words characters that are purported to differentiate the taxon, or
- 13.1.2. be accompanied by a bibliographic reference to such a published statement [...] or
- 13.1.3. be proposed expressly as a new replacement name (*nomen novum*) for an available name [...].

Nine names by Börner (1944 [five names], 1950 [two names]), Takahashi (1965), and Paik (1972) were proposed after 1930 without a designated type species, per Article 13.3:

To be available, every new genus-group name published after 1930 [...] must, in addition to satisfying the provisions of Article 13.1, be accompanied by the fixation of a type species in the original publication [Art. 68] or be expressly proposed as a new replacement name (*nomen novum*) [Art. 67.8].

Five names by van der Goot (1915), Matsumura (1917), Shinji (1929 [two names]), and Özdikem & Demir (2007) were alternate original spellings not adopted by the first reviser, per Article 19.3:

Alternative original spellings that are not adopted by the First Reviser [Art. 24.2] are deemed to be incorrect original spellings and are not separately available [Art. 32.4].

Two names by Mordvilko (1919) and Takahashi (1962) were original spellings replaced by a subsequent spelling in predominant use and attributed to the publication of the original spelling, per Article 33.3.1:

when an incorrect subsequent spelling is in prevailing usage and is attributed to the publication of the original spelling, the subsequent spelling and attribution are to be preserved and the spelling is deemed to be a correct original spelling.

### **Summary of available nominal genus-group taxa of APHIDOIDEA**

Number of available names: 1,220.

Available taxa established at the rank of subgenus: 151.

Available taxa established at the rank of genus: 1,069.

### ***Chronology***

Number of available taxa established in the first 75 years of Linnean zoological nomenclature (1758–1832): eight, only two remain valid today (Table G-1).

Available taxa established in the first hundred years of Linnean zoological nomenclature (1758–1857): 54 (Table G-1).

Note the frequency, during those 100 years, of nomenclatural instability (objective and subjective synonyms, homonyms, etc.), and of the high number of proposed genera today classed as Eriosomatinae.

Available taxa established after 1858: 1,165 (Table G-2 and Figure G-1).

The rate of addition of aphid genera increased after 1900, although it varied across the decades of the 20<sup>th</sup> Century. The decades 1911-1920 and 1961-1970 saw the greatest number

of new genus-group taxa, with high numbers also in the decades 1921-1930 and 1951-1960.

### *Authorities*

Number of available genus-group taxa proposed by one author alone: 1,046.

Available names proposed by two to four authors: 174.

Number of different genus-group name authorships (including different attributed author orders): 97.

Number of authors involved: 245.

Most prolific authors, responsible for 1% or more of the available name (12 or more): 33, responsible for approximately 75% of all available genus-group taxa (Table G-4).

### *Type species*

Number of available taxa with type species: 1,209 (Table G-5).

Available taxa without type species: 11, *Aorison*, *Chaitocallipterus*, *Euaulax*, *Halmodaphis*, *Jaxartaphis*, *Neomegoura*, *Orobion*, *Pteriaphis*, *Trichonaphis*, *Tuberculaphis*, and *Turanaphis*.

Taxa with type species objectively invalid (for being junior homonyms): 3, they are *Hydaphias*, *Rizoberlesia*, and *Submacrosiphum*.

Taxa with type species objectively valid but subjectively invalid (they are junior subjective synonyms): 227.

Taxa with type species objectively and subjectively valid: 979.

### **Valid and invalid nominal genus-group taxa**

Number of objectively invalid taxa: 109

5 are suppressed or invalidated under the Plenary Powers of the International Commission on Zoological Nomenclature: *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;

1 is a *nomen oblitum*: *Phillophorus*;

1 is an unjustified emendation and junior homonym: *Microsiphon* Börner;

6 are unjustified emendations, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrosiphon*, *Rhopalosphon*, and *Submacrosiphon*;

3 are junior homonyms and junior objective synonyms: *Anacyrthosiphon* Raychaudhuri (D.N.) *et al.*, *Ferganaphis* Mukhamediev, *Paraneomyzus* Raychaudhuri (D.N.) *et al.*;

60 are junior homonyms; and

33 are junior objective synonyms

Objectively valid taxa: 1,111.

Most prolific authors of at least 1% (11 names) of all objectively valid genera: 33 (Table G-6).

Subjectively invalid taxa: 338.

Subjectively valid taxa: 773.

Taxa subjectively valid but without taxonomic context (i.e., *nomina dubia*): 22, by Del Guercio, Gaumont, and Koch (1 each), Matsumura, Shinji, and Theobald (2 each), and Rafinesque, Rusanova, and Mordvilko (3, 4, and 5 each, respectively).

Taxa fully valid and with taxonomic meaning: 751.

### **The distribution of valid taxa within family-groups**

There is great variety in the number of genera within each of the valid aphid families and subfamilies (Table G-7). Thirty-seven genera are not assignable to the lowest subordinate family-group taxon (i.e., they are *incertae sedis*).

APHIDINAE is the subfamily with the most genera, 352 of 773, or 45.5% of the total. The next highest concentrations of valid genera and subgenera are found in CALAPHIDINAE, with 92 or 11.9%, ERIOSOMATINAE with 76 or 9.8%. HORMAPHIDINAE have 48 or 6.2%, LACHNINAE have 26 or 3.4%, GREENIDEINAE have 23 or 2.9%, and SALTUSAPHIDINAE have 16 or 2.1%.

Comparing the ratio of valid species to genera within family-group taxa can give insight into the amount of taxonomic 'clumping' and 'splitting' and also underscore the need for comprehensive revisions of some of the largest groups.

The SALTUSAPHIDINAE and CALAPHIDINAE have the lowest ratio of valid species to genus-groups (3.75 and 3.84, respectively): both of these subfamilies have been the subject of recent global revisions. In contrast, the APHIDINI and LACHNINAE have the highest ratios of species to genus-groups (18.48 and 14.92, respectively). These latter taxa contain the two largest aphid genera, *Aphis* and *Cinara*, with 553 and 241 valid species, respectively. Börner had split them into a number of additional genera, but these were difficult to distinguish, probably did not refer to natural groups, and fell into disuse and

then synonymy. The large size of these two globally distributed genera makes them unwieldy to work with, taxonomically, as there are no clear ways to divide them into more manageable groups. Simultaneously, they are so large as to discourage revisionary work [data taken from Aphid Species File – <http://Aphid.SpeciesFile.org>].

**Table G-1.** Genus-group level taxa proposed from 1758 through 1857, ordered first chronologically, then alphabetically by author and taxon name.

**Tabla G-1.** Taxones del nivel género establecidos entre 1758 y 1857, ambos inclusive. Ordenación cronológica y después alfabética de autores y taxones.

Year	Author	Available taxon	Current status	Additional information
Año	Autor	Taxón disponible	Estatus actual	Otras informaciones
1758	Linnaeus	<i>Aphis</i>	valid	first genus of the APHIDOIDEA
1818	Leach	<i>Eriosoma</i>	valid	oldest genus of ERISOMATINAE, and second of APHIDOIDEA
1818	Rafinesque	<i>Adactynus</i>	objectively valid, nomen dubium	
1818	Rafinesque	<i>Dactynotus</i>	objectively valid, nomen dubium	
1818	Rafinesque	<i>Loxerates</i>	objectively valid, nomen dubium	
1826	Leach	<i>Doralis</i>	suppressed by the I.C.Z.N.	
1827	Berthold	<i>Myzoxylon</i>	junior subjective synonym of <i>Eriosoma</i>	
1831	Blot	<i>Myzoxylus</i>	junior objective synonym of <i>Myzoxylon</i>	
1835	Burmeister	<i>Lachnus</i>	valid	oldest genus of LACHNINAE
1835	Burmeister	<i>Rhizobius</i>	suppressed by the I.C.Z.N.	
1835	Curtis	<i>Cinara</i>	valid	
1837	von Heyden	<i>Forda</i>	valid	
1837	von Heyden	<i>Paracletus</i>	valid	
1837	von Heyden	<i>Trama</i>	valid	
1837	Zetterstedt	<i>Leptopteryx</i>	junior homonym, replaced by <i>Euceraphis</i> Walker, 1870	oldest genus of CALAPHIDINAE
1838	Haliday	<i>Atheroides</i>	valid	oldest genus of CHAITHOPHORINAE
1838	Haliday	<i>Byrsocrypta</i>	invalidated under Plenary Powers of I.C.Z.N.	
1839	Hartig	<i>Pemphigus</i>	valid	



Year	Author	Available taxon	Current status	Additional information
1839	Hartig	<i>Schizoneura</i>	junior subjective synonym of Eriosoma	
1840	van der Hoeven	<i>Rhizophthiridium</i>	junior subjective synonym of Pemphigus	
1840	Westwood	<i>Brysocrypta</i>	invalidated under Plenary Powers by I.C.Z.N.	
1840	Westwood	<i>Thelaxes</i>	valid	oldest genus of THELAXINAE
1841	Hartig	<i>Rhizoterus</i>	junior subjective synonym of Forda	
1841	Hartig	<i>Tetraneura</i>	valid	
1848	Rodani	<i>Aphioides</i>	junior objective synonym of Pemphigus	
1848	Rodani	<i>Baizongia</i>	valid	
1848	Rodani	<i>Mimaphidius</i>	junior subjective synonym of Eriosoma	
1848	Rodani	<i>Pteroclorus</i>	junior objective synonym of Lachnus	
1849	Westwood	<i>Smynthuodes</i>	valid	
1852	Fernie	<i>Phyllophora</i>	junior homonym, replaced by Periphyllus van der Hoeven, 1863	
1853	Thorton	<i>Phillophorus</i>	nomen oblitum, replaced by Periphyllus van der Hoeven, 1863	
1854	Koch	<i>Chaitophorus</i>	valid	
1854	Koch	<i>Hyalopterus</i>	valid	
1854	Koch	<i>Rhopalosiphum</i>	valid	
1855	Koch	<i>Callipterus</i>	junior homonym, replaced by Panaphis Kirkaldy, 1904	
1855	Koch	<i>Drepanosiphum</i>	valid	oldest genus of DREPANOSIPHINAE
1855	Koch	<i>Dryobius</i>	junior objective synonym of Lachnus	
1855	Koch	<i>Siphonophora</i>	junior homonym, replaced by Macrosiphum Passerini, 1860	
1856	Koch	<i>Asiphum</i>	junior subjective synonym of Pachypappa	

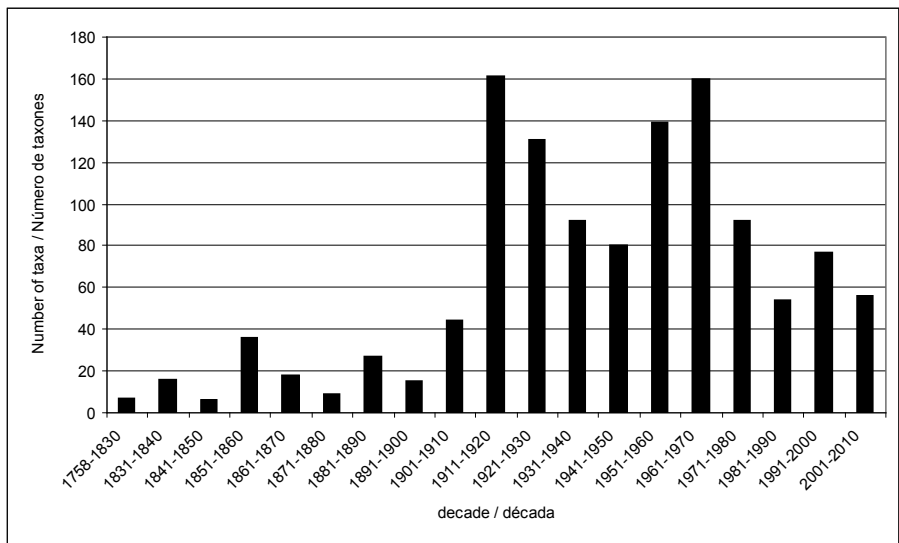
Year	Author	Available taxon	Current status	Additional information
1856	Koch	<i>Cladobius</i>	junior homonym, replaced by <i>Pterocomma</i> Buckton, 1879	
1856	Koch	<i>Glyphina</i>	valid	
1856	Koch	<i>Pachypappa</i>	valid	
1856	Koch	<i>Phyllaphis</i>	valid	oldest genus of PHYLLAPHIDINAE
1856	Koch	<i>Toxoptera</i>	valid	
1857	Hartig	<i>Rhizomaria</i>	junior subjective synonym of <i>Pachypappa</i> Koch, 1856	
1857	Koch	<i>Amycla</i>	junior homonym, replaced by <i>Tetraneura</i> Hartig, 1841	
1857	Koch	<i>Anoecia</i>	valid	oldest genus of ANOECIINAE
1857	Koch	<i>Endeis</i>	junior homonym, replaced by <i>Dryopedia</i> Kirkaldy, 1904	
1857	Koch	<i>Mindarus</i>	valid	oldest genus of MINDARINAE
1857	Koch	<i>Prociphilus</i>	valid	
1857	Koch	<i>Stagona</i>	valid	
1857	Koch	<i>Thecabius</i>	valid	
1857	Koch	<i>Thychea</i>	objectively valid name, nomen dubium	
1857	Motschulsky	<i>Aphidioides</i>	objectively valid name, nomen dubium	the first genus established for an extinct species

**Table G-2.** Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.**Tabla G-2.** Taxones del nivel género establecidos desde 1758 hasta 2010, agrupados por décadas desde 1831.

Period / decade	Total number	Percentage of total
Periodo / década	Total	Porcentaje
1758—1830	7	0.57
1831—1840	16	1.31
1841—1850	6	0.49
1851—1860	36	2.95
1861—1870	18	1.48
1871—1880	9	0.74
1881—1890	27	2.21
1891—1900	15	1.23
1901—1910	44	3.61
1911—1920	161	13.20
1921—1930	131	10.74
1931—1940	92	7.54
1941—1950	80	6.56
1951—1960	139	11.39
1961—1970	160	13.11
1971—1980	92	7.54
1981—1990	54	4.43
1991—2000	77	6.31
2001—2010	56	4.59
1758—2010	1,220	100

**Figure G-2.** Number of genus-group taxa proposed from 1758 through 2010, grouped by decade after 1831.

**Figura G-2.** Taxones del nivel género establecidos desde 1758 hasta 2010. agrupados por décadas desde 1831.



**Table G-3.** Authors (alone or as co-authors) of available genus-group taxa.**Tabla G-3.** Autores (singulares o múltiples) de los taxones del nivel género disponibles.

Adams	& Raychaudhuri	Ghosh (A.K.) & Quednau
Agarwala. Mondal & Raychaudhuri (D.N.)	(D.N.) Chakrabarti. Saha & Mandal	Ghosh (A.K.) & Raychaudhuri (D.N.)
Aizenberg	Chang	Ghosh (A.K.) & Verma
Altum	Cholodkovsky	Ghosh (A.K.), Basu (R.C.) & Raychaudhuri
Andreev	Clarke	(D.N.)
Ansorge	Cockerell	Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.)
Aoki. Kurosu & Fukatsu	Cottier	
Baker (A.C.)	Curtis	Ghosh (L.K.)
Barbagallo	Danielsson	Ghosh (M.R.), Basu (R.C.) & Raychaudhuri
Barbagallo & Patti	Das (B.)	(D.N.)
Basu (A.N.)	Davatchi. Hille Ris Lambers & Lambers & Remaudière	Ghosh (M.R.), Pal & Raychaudhuri (D.N.)
Basu (A.N.) & Hille Ris Lambers	David	Raychaudhuri (D.N.)
Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.)	David. Narayanan & Rajasingh	Gillette
Becker-Migdisova	David. Rajasingh & Narayanan	Gillette & Palmer
Behura & Dash	Davis	Glendenning
Berthold	Del Guercio	Gómez-Menor
Blanchard (E.E.)	Doncaster	Granovsky
Blot	Doncaster & Stroyan	Gredina
Börner	Drews	Grimaldi
Bozhko	Dzhibladze	Haliday
Bramstedt	Eastop	Hall
Buckton	Essig	Hartig
Burmeister	Essig & Kuwana	Haupt
Calilung	Fernie	Heie
Carver	Ferrari	Heie & Poinar
Carver & Martyn	Frison & Ross	Heikinheimo
Chakrabarti	Gaumont	Heinze
Chakrabarti & Bhattacharya	Ghosh (A.K.), Chakrabarti.	Higuchi
Chakrabarti & Maity	Chowdhuri & Raychaudhuri (D.N.)	Hille Ris Lambers
Chakrabarti & Quednau		Hille Ris Lambers & Basu
Chakrabarti & Raha		(A.N.)
Chakrabarti, Ghosh (A.K.)		

Hille Ris Lambers & Hottes	MacVicar Baker	Passerini
Hille Ris Lambers & Rogerson	Mamontova & Kolomoets	Patch
Holman	Mamontova / Mamontova-Solukha	Pergande
Holman & Szelegiewicz	Manheim	Pintera
Hong	Martelli	Poinar & Brown
Hong & Wang	Mason	Pramanick, Samanta & Raychaudhuri (D.)
Horváth	Matsumura	Qiao & Zhang (G.-x.)
Hottes	Matsumura & Hori	Quednau
Hottes & Frison	Maxson & Hottes	Quednau & Barbagallo
Hottes & Wehrle	Menon & Pawar	Quednau & Chakrabarti
Huculak	Mier Durante, Nieto Nafria & Ortego	Quednau & Remaudière
Ivanovskaja / Ivanovskaja-Shubina	Mier Durante, Ortego & Nieto Nafria	Quednau & Shaposhnikov
Jensen & Stoetzel	Mimeur	Rafinesque
Kadyrbekov	Miyazaki	Raychaudhuri (D.N.)
Kadyrbekov, Renxin & Shao	Monell	Raychaudhuri (D.N.) & Chatterjee
Karsch	Monzen	Raychaudhuri (D.N.) & Ghosh (A.K.)
Kirkaldy	Mordvilko	Raychaudhuri (D.N.) & Pal
Klodnitsky	Motschulsky	Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.)
Knowlton	Müller (F.P.)	Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.)
Knowlton & Allen	Narzikulov	Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.)
Knowlton & Ma	Narzikulov & Daniyarova	Raychaudhuri (D.N.), Ghosh (M.R.)
Knowlton & Roberts	Narzikulov & Mukhamediev	Banerjee (M.) & Ghosh (A.K.)
Koch	Narzikulov & Smailova	Remaudière
Kononova	Nevsky	Remaudière & Davatchi
Kumar & Burkhardt	Noordam	Remaudière & Quednau
Kumar & Lavigne	Oestlund	Remaudière & Tao
Laing	Olive	Ren, Lu & Ji
Leach	Ortego	Richards
Leclant	Ortego, Nieto Nafria & Mier Durante	Robinson
Lee (S.H.)	Ossiannilsson	Rondani
Liao	Osten-Sacken	Rübsaamen
Lichtenstein	Paik	Rusanova
Lin	Pal & Raychaudhuri (D.N.)	
Linnaeus	Pashchenko	
Macchiati		
MacGillivray		
MacGillivray & Bradley		

Sanborn	van der Goot
Schouteden	van der Hoeven
Schumacher	van Harten & Ilharco
Scudder	Verma
Shaposhnikov	von Heyden
Shaposhnikov & Gabrid	Walker
Shaposhnikov & Wegierek	Walsh
Shimer	Wang
Shinji	Wegierek
Signoret	Weswood
Silvestri	Wilson
Singh & Raychaudhuri	Wilson & Davis
(D.N.)	Wojciechowski
Smith	Wood-Baker
Smith & Heie	Yuan & Xue
Smith & Pepper	Zehntner
Soliman	Zetterstedt
Sorensen	Zhang (G.-x.)
Sorin	Zhang (G.-x.) & Hong
Sousa-Silva & Ilharco	Zhang (G.-x.) & Qiao
Stekolshchikov & Qiao	Zhang (G.-x.) & Zhong
Strand	Zhang (G.-x.), Chen, Zhong & Li
Strom	Zhang (G.-x.), Qiao & Chen
Suenaga	Zhang (G.-x.), Zhong & Qiao
Sunde	Zhang (G.-x.), Zhong & Qiao
Swain	Zhang (G.-x.), Zhong & Zhang (W.-y.)
Szelegiewicz	Zhang (J.-f.), Sun & Zhang (X.)
Szépligeti	Zhang (J.-f.), Zhang (S.). Hou & Ma
Takagi	Zhang (L.) & Zhang (G.-x.)
Takahashi	Zhang (W.-y.) & Zhang (G.-x.)
Tao	Zwölfer
Tashev	
Theobald	
Thornton	
Tsai & Tang	
Tseng & Tao	
Tullgren	
Umarov	
Umarov & Ibramova	

**Table G-4.** The most prolific authors of genus-group taxa (producing 1% or more of available names).**Tabla G-4.** Autores de géneros más prolíficos (al menos el 1% de los nombres disponibles).

Authority	Total number of names (Subgenera)	Number as sole author	Number as co-author	Years in practice of aphid taxonomy	Years of first and last generic name
Autor	Total (Subgéneros)	En solitario	En coautoría	Período de actividad en afidología	Años de sus géneros primero y último
Börner, Carl	99 (21)	99	0	1909–1957	1926 / 1952
Hille Ris Lambers, Dick	69 (18)	63	6	1931–1980	1931 / 1974
Takahashi, Ryoichi	62 (4)	62	0	1918–1967	1919 / 1967
Mordvilko, Aleksandr Konstantinovich	59 (6)	59	0	1892–1938(1948)	1894 / 1948
Heie, Ole Engel	50 (5)	47	3	1952–	1963 / 2006
Zhang, Guang-xue	46 (6)	18	28	1976–2010	1980 / 2003
Raychaudhuri, Dihendra Nath	46 (19)	6	40	1956–1984	1956 / 1982
Matsumura, Shonen	35	34	1	1898–1932	1917 / 1929
van der Goot, Pieter	33	33	0	1911–1919	1912 / 1918
Del Guercio, Giacomo	32 (2)	32	0	1892–1933	1900 / 1930
Shinji, George Orihei	32	32	0	1917–1949	1922 / 1942
Quednau, Franz Wolfgang	30 (10)	19	11	1953–	(1952) 1953 / 2008
Shaposhnikov, Georgiy Christoforovich	29 (11)	23	6	(1941)1946–1997	1950 / 1989
Hong, Youchong	23	18	5	1989–	1990 / 2002
Koch, Carl Ludwig	21	21	0	1854–1857	1854 / 1957
Remaudière, Georges	21 (8)	10	11	1951–	1954 / 2001
Tao, Charles Chia-chu	20	16	4	1936–1971	1938 / 1976
Ghosh, Ashis Kumar	20 (7)	0	20	1958–1991	1962 / 1990



Authority	Total number of names (Subgenera)	Number as sole author	Number as co-author	Years in practice of aphid taxonomy	Years of first and last generic name
Ghosh, Manoj Ranjan	19 (8)	0	19	1970–1981	1971 / 1980
Theobald, Fred Vincent	18	18	0	1897–1929	1914 / 1928
Oestlund, Oscar William	17	17	0	1886–1942	1886 / 1923
Narzikulov, Muchamedkul Narzikulovitch	15 (4)	12	3	1941–1990	1957 / 1979
Buckton, George Bowdler	14	14	0	1876–1901	1876 / 1893
Richards, William Robin	14 (4)	14	0	1956–1976	1958 / 1966
Basu, Ramesh Chandra	14 (7)	0	14	1967–1983	1969 / 1980
Qiao, Ge-xia	14 (2)	0	14	1993–	1995 / 2008
Baker, Arthur Challen	13	13	0	1915–1923	1919 / 1920
Essig, Edward Oliver	13	12	1	1909–1958	1912 / 1957
Chakrabarti, Samiran	13 (2)	2	11	1968–	1969 / 1996
Zhong, Tie-sen	13 (1)	0	13	1976–	1981 / 1999
Nevsky, Valerian Pavlovitch	12	12	0	1925–1953	1928 / 1929
Basu, Adya Nath	12 (1)	9	3	1955–1969	1964 / 1969
Chen, Xiao-lin	12	0	12	1995–1999	1999

**Table G-5.** Method of type species designation for available genus-group taxa.  
**Tabla G-5.** Modo de fijación de la especie tipo de los géneros disponibles.

Method	Number	Select genera
Modo	Cantidad	Géneros (en algunos casos)
By designation under the plenary powers by the International Commission on Zoological Nomenclature	6	<i>Aphis</i> , <i>Chaitophorus</i> , <i>Cinara</i> , <i>Euceraphis</i> , <i>Lachnus</i> , <i>Metopeurum</i>
By monotypy	122	
By monotypy and actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN	6	<i>Arctaphis</i> , <i>Aulacorthum</i> , <i>Belochilum</i> , <i>Neomacrosiphum</i> , <i>Tycheoides</i> , <i>Ceruraphis</i>
By original designation	953	
By original designation and application of the Articles 11.10 and 67.13 of the ICZN	1	<i>Synthripaphis</i>
By original designation and application of the Article 11.6.1 of the ICZN	1	<i>Holcaphis</i>
By original designation and actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.1 or 70.3.2 of the ICZN	2	<i>Masonaphis</i> (under 70.3.1) <i>Chaetophorella</i> (under 70.3.2)
By subsequent monotypy	2	<i>Maculodryaphis</i> , <i>Tetraneura</i>
By subsequent designation	59	
By subsequent designation and validation under plenary powers by the International Commission on Zoological Nomenclature	1	<i>Hyalopterus</i>
By subsequent designation and actuation of Nieto Nafría et al. (2010: 67) under the Article 70.3.2 of the ICZN	3	<i>Asiphum</i> , <i>Lachniella</i> , <i>Schizoneura</i>
Denoted by new replacement name	46	
Denoted by new unjustified emendation	7	<i>Asiphon</i> , <i>Cryptosiphon</i> , <i>Drepanosiphon</i> , <i>Macrosiphon</i> , <i>Microsiphon</i> , <i>Rhopalosiphon</i> , <i>Submacrosiphon</i>

**Table G-6.** Most prolific authors of at least 1% of objectively valid genus-group taxa.**Tabla G-6.** Autores de géneros más prolíficos, al menos del 1% de los géneros válidos objetivos.

Author	Number of available names	Number of objectively invalid names	Number of objectively valid names	Number of subjectively invalid names	Number of subjectively valid names
Autor	Nombres disponibles	Nombres objetivamente inválidos	Nombres objetivamente válidos	Nombres subjetivamente inválidos	Nombres subjetivamente válidos
Börner, Carl	99	13	86	49	37
Hille Ris Lambers, Dick	69	1	68	12	56
Takahashi, Ryoichi	62	0	62	12	50
Mordvilko, Aleksandr Konstantinovich	59	8	51	15	36
Heie, Ole Engel	50	0	50	2	48
Zhang, Guang-xue	46	2	44	22	23
Raychaudhuri, Dihendra Nath	46	4	42	27	15
Matsumura, Shonen	35	1	34	17	17
Shinji, George Orihei	32	3	29	21	8
Quednau, Franz Wolfgang	30	2	28	4	24
Shaposhnikov, Georgii Khrisoforovitch	29	1	28	10	18
Del Guercio, Giacomo	32	4	28	15	13
van der Goot, Pieter	33	8	25	5	20
Hong, Youchong	22	1	21	0	21
Remaudière, Georges	21	0	21	3	18
Tao, Charles Chia-chu	20	1	19	5	14

Author	Number of available names	Number of objectively invalid names	Number of objectively valid names	Number of subjectively invalid names	Number of subjectively valid names
Ghosh, Ashis Kumar	20	1	19	11	8
Koch, Carl Ludwig	21	6	15	1	14
Basu, Adya Nath	12	0	12	0	12
Richards, William Robin	14	0	14	2	12
Oestlund, Oscar William	17	3	14	2	12
Theobald, Fred Vincent	18	1	17	6	11
Wegierek, Piotr	11	0	11	0	11
Narzikulov, Muchamedkul Narzikulovitch	15	1	14	4	10
Zhong, Tie-sen	13	0	13	9	4
Qiao, Ge-xia	14	2	12	2	10
Nevsky, Valerian Pavlovitch	12	0	12	5	7
Chakrabarti, Samiran	13	1	12	5	7
Buckton, George Bowdler	14	2	12	6	6
Chen, Xiao-lin	12	0	12	9	3
Ghosh, Manoj Ranjan	19	4	15	12	3
Essig, Edward Oliver	13	2	11	2	9

**Table G-7.** Taxonomic placement of subjectively valid genus-group level taxa (genera and subgenera, but not including nominotypical subgenera) within family-group level taxa (superfamily, family, subfamily, tribe, and subtribe), following the extended classification of Remaudière, Stroyan, and Quednau.

**Tabla G-7.** Adscripción de los taxones de nivel género –de categorías de género y subgénero (sin incluir los subgéneros nominotípicos)– válidos subjetivos a los taxones de de nivel familia –de categorías superfamilia, familia, subfamilia, tribu y subtribu– según la “clasificación de Remaudière, Stroyan y Quednau ampliada”.

Family-group taxon	Number of genus-group taxa	Percentage of total
Taxón	Número	Porcentaje
APHIDOIDEA (total)	773	100
APHIDOIDEA incertae sedis	3	0.39
CANADAPHIDIDAE	4	0.52
CRETAMYZIDAE	1	0.13
DREPANOCHAITOPHORIDAE	1	0.13
OVIROSIPHIDAE	11	1.42
PARVAVERRUCOSIDAE	1	0.13
SINAPHIDIDAE	2	0.26
APHIDIDAE (total)	750	97.02
APHIDIDAE (incertae sedis)	6	0.78
APHIDIDAE (incertae sedis in part: drepanosiphine complex)	12	1.55
APHIDIDAE nomen dubium [an aphid or a coccid]	1	0.13
AICEONIINAE	2	0.26
ANOECIINAE	5	0.65
APHIDINAE (total)	352	45.54
APHIDINAE incertae sedis	7	0.91
APHIDINI APHIDINA	30	3.88
APHIDINI RHOPALOSIPHINA	11	1.42
APHIDINAE MACROSIPHINI	304	39.33
BALITICHAITOPHORINAE	1	0.13
CALAPHIDINAE (total)	92	11.90
CALAPHIDINAE incertae sedis	1	0.13
CALAPHIDINI CALAPHIDINA	13	1.68
CALAPHIDINI MONAPHIDINA	4	0.52
PANAPHIDINI MYZOCALLIDINA	34	4.40
PANAPHIDINI PANAPHIDINA	40	5.17
CHAITOPHORINAE (total)	14	1.81
CHAITOPHORINAE incertae sedis	1	0.13
CHAITOPHORINI	7	0.91
SIPHINI	6	0.78
DREPANOSIPHINAE	13	1.68

Family-group taxon	Number of genus-group taxa	Percentage of total
ERIOSOMATINAE (total)	76	9.83
ERIOSOMATINAE incertae sedis	11	1.42
ERIOSOMATINAE ERIOSOMATINI	16	2.07
ERIOSOMATINAE FORDINI	19	2.46
ERIOSOMATINAE PEMPHIGINI	30	3.88
GREENIDEINAE (total)	23	2.98
GREENIDEINAE incertae sedis	1	0.13
GREENIDEINAE CERVAPHIDINI	7	0.91
GREENIDEINAE GREENIDEINI	12	1.55
GREENIDEINAE SCHOUTEDENIINI	3	0.39
HORMAPHIDINAE (total)	48	6.21
HORMAPHIDINAE incertae sedis	5	0.65
CERATAPHIDINI	13	1.68
HORMAPHIDINI	3	0.39
NIPPONAPHIDINI	27	3.49
ISRAELAPHIDINAE	1	0.13
LACHNINAE (total)	26	3.36
LACHNINAE incertae sedis	1	0.13
EULACHNINI	9	1.16
LACHNINI	12	1.55
TRAMINI	4	0.52
LIZERIINAE	10	1.29
MACROPODAPHIDINAE	2	0.26
MINDARINAE	3	0.39
NEOPHYLLAPHIDINAE	4	0.52
PALAEOSIPHONINAE	1	0.13
PARACHAITOPHORINAE	1	0.13
PHLOEOMYZINAE	8	1.03
PHYLLAPHIDINAE	12	1.55
PTERASTHENINAE	4	0.52
PTEROCOMMATINAE	5	0.65
SALTUSAPHIDINAE (total)	16	2.07
SALTUSAPHIDINAE incertae sedis	1	0.13
SALTUSAPHIDINAE SALTUSAPHIDINI	7	0.91
SALTUSAPHIDINAE THRIPSAPHIDINI	8	1.03
SPICAPHIDINAE	3	0.39
TAIWANAPHIDINAE	2	0.26
TAMALIINAE	1	0.13
THELAXINAE	6	0.78
THELAXINAE GONDVANOAPHIDINI	1	0.13
THELAXINAE THELAXINI	5	0.65

## REGISTRO DE LOS TAXONES DEL NIVEL GÉNERO DE APHIDOIDEA

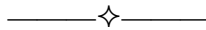
Este “Registro de los taxones del nivel género de APHIDOIDEA” es la “Propuesta” dedicada a esos taxones, aprobada en el *Eighth International Symposium in Aphids* —ver “Prefacio”— con la adición de los taxones descritos desde el 31 de diciembre de 2005, fecha límite de la “Propuesta”, hasta la fecha.

Véase en la introducción del “Registro de los taxones del nivel familia de APHIDOIDEA” la relación de taxones del nivel familia que se incluyen en la superfamilia APHIDOIDEA en el contexto de la clasificación utilizada.

Algunos resultados parciales de este estudio se dieron ya a conocer en 2009 (*Redia*, 92: 119–123) y en 2010 (*Zootaxa*, 2410: 65–68).

Este “Registro” consta de dos secciones: “Nombres disponibles” y “Nombres indisponibles”.

Como en el “Registro de los taxones del grupo familia” (ver más arriba) los términos “disponible” e “indisponible”, “válido” e “inválido” se utilizan exactamente en el sentido que les otorga el “Código Internacional de Nomenclatura Zoológica, cuarta edición” (de aquí en adelante el “Código”).



### LOS NOMBRES DISPONIBLES

De los nombres disponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, (2) la referencia bibliográfica, (3) la categoría asignada al ser establecido, (4) la especie tipo y (5) el estatus objetivo, y además en su caso (6) el estatus subjetivo y (7) la posición taxonómica.

#### Nombres disponibles: nombre del taxón

Se proporciona el nombre establecido con su grafía original, debidamente corregido si es el caso, en aplicación del artículo 33.2.2 del “Código”, que dice:

«La corrección de una grafía original incorrecta conforme al Artículo 32.5 es una “enmienda justificada” y el nombre así corregido mantiene la autoría y la fecha de la grafía original [Art. 19.2]».

excepto en los casos en los que es de aplicación lo dispuesto en el artículo 33.2.3.1, que dice:

«Si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta».

El “Código” permite (Recomendación 51E), notaciones del tipo “autor X *in* autor Y”, como por ejemplo “Buckton *in* Cotes”, “Tao *in* Eastop y Hille Ris Lambers”, “Börner *in* Börner y Schilder”, o “Zhang (G.-x.) & Qiao *in* Qiao, Zhang (G.-x.) y Zhao (F.)”, que informan que el taxón fue establecido por un autor (singular o múltiple) en una obra firmada por otro autor (singular o múltiple). Para no alargar en exceso las autorías no se utiliza esta notación; en contrapartida el nombre del autor de la publicación se incorpora a la referencia bibliográfica (ver más adelante).

Si en la bibliografía afidológica hay dos o más autores con el mismo apellido se dan entre paréntesis las iniciales de los correspondientes nombres de pila.

La fecha de establecimiento de los taxones es la fecha real de publicación. No se consigna la fecha especificada en la obra, aunque el “Código” lo permite (Recomendación 22A.2.3) usando notaciones que informan de ambas fechas, como “1977 (1974)”. La fecha especificada en la obra se facilita de forma suficiente en la referencia bibliográfica (ver a continuación).

### **Nombres disponibles: referencia bibliográfica**

Si el autor del taxón no coincide con el autor del libro o del artículo, la referencia comienza por el nombre del autor del libro o del artículo.

Si el año especificado en la obra no coincide con el año de la publicación, aquél se incluye entre corchetes inmediatamente delante de los dos puntos que preceden a la página.

La notación “[*preprint*]” final del título del libro o del artículo significa que el autor distribuyó una separata del artículo en fecha anterior a la de distribución del libro o revista de la que forma parte, de modo que por ello el género toma fecha de esa distribución y no de la distribución del libro o revista, de acuerdo con lo dispuesto en el artículo 21.8 del “Código”, que dice:

«Antes de 2000, un autor que haya distribuido separatas con anterioridad a la especificada fecha de publicación de la obra en que se publicó el trabajo, adelantó por esa razón la fecha de publicación. [...]».

La referencia bibliográfica se da con el título completo de la revista o del libro. No se proporcionan el título del artículo en la revista ni el título del capítulo del libro si existe.

Los títulos se dan en la lengua usada si ésta utiliza el alfabeto latino. De los títulos escritos en alfabeto cirílico se ha realizado una transliteración de acuerdo con normas al uso por A. V. Stekolshchikov. Si el título está escrito con ideogramas chinos o japoneses la translación fonética ha corrido a cargo de G.-x. Qiao o de M. Sano, respectivamente. Si el título utiliza dos lenguas se ha escogido una de ellas.

Cuando ha sido posible se proporciona el fascículo del volumen de las revistas.



La página única que se menciona es la que figura la ‘indicación’ en el caso de algunos géneros establecidos antes de 1931, o en la que comienza la descripción, aunque ese nombre esté escrito también en alguna página anterior, incluso si está acompañado de caracteres, por ejemplo en un resumen, en una clave, en el pie de una ilustración, en una tabla, en una lista, etc. En los casos en los que hay una descripción implícita en una clave dicotómica, la página que se consigna es aquella en la que aparece el nombre del género, que suele ser al final de ese grupo de párrafos, y no al principio de ellos como suele ser normal en las descripciones formales.

### **Nombres disponibles: especie tipo**

Se facilita el nombre de la especie en su combinación original, con su autor y fecha, la fecha real de publicación. Si el nombre de la especie tipo no es un nombre válido, se facilita el nombre válido actual de esa entidad taxonómica, también en su combinación original, de acuerdo con lo establecido en la recomendación 67B del “Código”, que dice:

«El nombre de una especie tipo debería citarse mediante su binomen original. Si el nombre de la especie tipo se trata usualmente como un nombre inválido, los autores pueden citar también su sinónimo más antiguo».

Se informa del modo de establecimiento del tipo utilizando los términos usados en el “Código”: designación original, monotipia, designación posterior, etc. No obstante lo anterior, en el caso de los nombres nuevos de sustitución y en los nombres consecuencia de una enmienda injustificada, se ha utilizado la expresión “*denoted by*” (en español, indicado —o designado — mediante —o a consecuencia de—), tomada también del propio “Código” artículo 67.8, que dice:

«Especies tipo de táxones nominales de nivel género indicados mediante nuevos nombres de reemplazo (*nomina nova*). Si un autor publica un nuevo nombre del grupo género expresamente como nuevo nombre de reemplazo (*nomen novum*) para un nombre previamente establecido o reemplaza un nombre previamente establecido del grupo género con una enmienda injustificada [Art. 33.2.4], tanto el taxon nominal previo como su reemplazo tienen la misma especie tipo, y la fijación de tipo para uno de ellos se aplica también al otro [...]».

### **Nombres disponibles: estatus objetivo**

Como es conocido, el estatus objetivo se debe a criterios nomenclaturales fijados detalladamente por el “Código” y no varía en función de opciones taxonómicas.

Se informa si el taxón, además de ‘disponible’ (*available*), es ‘potencialmente válido’ u ‘objetivamente inválido’. En el segundo de los casos se da la causa de invalidez, que suele deberse a que el nombre sea sinónimo objetivo posterior u homónimo posterior. En algunos casos se completa la información sobre el estatus objetivo con otros datos de utilidad, como por ejemplo el nombre de sustitución si existe.

Si el taxón es válido objetivo la información continúa, pero si es inválido objetivo la información termina en este punto.

### Nombres disponibles: estatus subjetivo, posición taxonómica

El estatus subjetivo y la posición taxonómica obedecen a criterios enteramente taxonómicos y por ello no forman parte de la “Propuesta”. Se incluyen en el “Repositorio” por su evidente interés taxonómico.

Se precisa si el nombre es subjetivamente ‘válido’ o ‘inválido’ y en su caso la causa de invalidez.

La posición taxonómica se precisa únicamente para los taxones que son válidos subjetivos. Si el lector quisiera conocer la posición taxonómica de un taxón inválido deberá buscar la que corresponde a su sinónimo anterior.



### LOS NOMBRES INDISPONIBLES

De los nombres indisponibles se facilita: (1) el nombre del taxón con su autor y fecha de establecimiento, y a renglón seguido la referencia, y (2) la causa de indisponibilidad.

Para los nombres de los taxones, nombres de los autores, fechas, y referencias bibliográficas vale lo expuesto en los párrafos anteriores.

Las causas de indisponibilidad son algunas de las fijadas en el “Código” (ver más adelante).

No se han consignado las grafías posteriores incorrectas (erratas originales o tipográficas), que se encuentran con frecuencia en la bibliografía afidológica, como en la bibliografía zoológica en general, y que se pueden ver en las mal llamadas listas sinonímicas de tantos trabajos. Algunas de las grafías posteriores incorrectas de géneros de pulgones han sido recogidas en listas de ese tipo e incluso en recopilaciones generales, como el “*Survey*”, pero otras han pasado desapercibidas.

Algunas de esas grafías posteriores incorrectas han sido tenidas por nombres disponibles, debido a que erróneamente alguien entendió que se trataba de enmiendas justificadas, así por ejemplo: “*Schizonevra*” y “*Tetranevra*” atribuidos a Agassiz (1846), “*Pterochlorus*” atribuido a Passerini (1866), “*Rhyzobius*” atribuido a Ferrari (1872) y “*Macrosiphon*” atribuido a Del Guercio (1914) respectivamente de *Schizonevra*, *Tetranevra*, *Pterochlorus*, *Rhizobius* y *Macrosiphum*. Pero en realidad no son tales enmiendas de acuerdo con el artículo 33 del “Código”, que dice:

«33.1. Clases de grafías posteriores. Una grafía posterior de un nombre, si es diferente de la grafía original [Art. 32.1], o bien es una enmienda [Art. 33.2] o bien una grafía posterior incorrecta [Art. 33.3] o bien un cambio obligatorio [Art. 34].

»33.2. Enmiendas. Cualquier cambio intencionado demostrable en la grafía original de un nombre y que no sea un cambio obligatorio, es una “enmienda”, salvo en lo estipulado en el artículo 33.4.

»33.2.1. Un cambio en la grafía original de un nombre puede interpretarse sólo como “demostrablemente intencionado” si en la propia obra o en una fe de erratas de un autor (o editor) hay una declaración explícita de la intención o cuando se mencionan a la vez tanto la grafía original como la modificada y esta última se adopta en lugar de la primera, o si dos o más nombres se tratan de la misma manera en la misma obra.

»33.3. Grafías posteriores incorrectas. Cualquier grafía posterior de un nombre distinta a la grafía original correcta y que no sea un cambio obligatorio o una enmienda, es una “grafía posterior incorrecta”; no es un nombre disponible y, como una grafía original incorrecta [Art. 32.4], no entra en homonimia y no puede usarse como un nombre de sustitución [...].

»33.5. Casos de duda. En cualquier caso de duda respecto de si una grafía posterior diferente es una enmienda o una grafía posterior incorrecta, se debe tratar como una grafía posterior incorrecta (y por tanto no disponible) y no como una enmienda».



## INFORMACIONES ADICIONALES

Taxones de nivel género de APHIDOIDEA establecidos: 1330.

Primer taxón de nivel género de APHIDOIDEA establecido (y disponible): *Aphis* Linnaeus, 1758. Último —por el momento— taxón de nivel género de APHIDOIDEA establecido (y disponible): *Gondvanoaphis* Wegierek & Grimaldi, 2010.

Primeros taxones nominales de rango subgénero de APHIDOIDEA establecidos: *Adactynus* Rafinesque, 1918, *Dactynotus* Rafinesque, 1918, y *Loxerates* Rafinesque, 1918; son disponibles pero dudosos.

*Dactynotus* estuvo en uso durante 38 años. En 1939 Hille Ris Lambers (*Temminckia*, 4: 1–134) consideró que la especie tipo de ese género, *Aphis hieraciumpaniculatum* Rafinesque, 1818, que había sido designada poco antes por Börner & Schilder —véase la entrada correspondiente— debía ser clasificada junto a un grupo de especies de macrosifinos que los taxónomos de hoy clasificamos en el género *Uroleucon* Mordvilko. En 1977 Eastop y Hille Ris Lambers (*Survey of the World's Aphids*) consideraron a *Dactynotus* como inválido, posiblemente porque no podían precisar el significado taxonómico de la especie tipo. Eastop y Hille Ris Lambers, o cualquier otro autor, podrían haber seleccionado un neotipo para *Aphis hieraciumpaniculatum*, dando así un preciso significado taxonómico a la especie y consecuentemente al género, pero no lo hicieron. No vemos ningún motivo práctico para designar ahora tal neotipo, tras 30 años de olvido de *Dactynotus* y de utilización de *Uroleucon* en combinación con más de 230 nombres válidos de especies.

### **Taxones nominales de nivel género de APHIDOIDEA indisponibles**

Taxones indisponibles: 110.

### ***Cantidad de casos, autores implicados y causas de indisponibilidad***

Cuatro nombres, debidos a Aizenberg (1954), por encontrarse en una obra no publicada, artículos 8.1.1 y 9.9 del “Código”, que dicen respectivamente:

«[Una obra debe satisfacer los siguientes criterios] debe publicarse con la finalidad de proporcionar un registro científico público y permanente».

«[No obstante las disposiciones del artículo 8, ninguna de las siguientes es una obra publicada en el sentido del Código:] los resúmenes de artículos, de contribuciones, de carteles, de textos de conferencias y de materiales similares que se emita esencialmente para los participantes en reuniones, simposios, coloquios o congresos».

Sesenta y seis nombres, debidos a Amyot (1847, *Méthode mononymique*), por no estar ajustados a la nomenclatura binominal, artículo 11.4, que dice:

«El autor debe haber aplicado de manera consecuente el Principio de la Nomenclatura Binominal [Art. 5.1] en la obra en la que el nombre o acto nomenclatural fue publicado; sin embargo, este artículo no se aplica a la disponibilidad de nombres de táxones en las categorías por encima de nivel familia».

y con la *Opinion* de supresión adoptada por la Comisión Internacional de Nomenclatura Zoológica (China, W.E. [Ed.]. 1963. *Opinion 686. Amyot, Méthode mononymique: placed on the Official Index of rejected and invalid works in Zoological Nomenclature. Bulletin of Zoological Nomenclature*, 20(6): 423).

Cuatro nombres, debidos a Shinji (1927), Del Guercio (1930), Börner (1952) y Richards (1971), por haber sido establecidos en sinonimia, artículo 11.5, no siendo de aplicación lo dispuesto en el artículo 11.6.1, que respectivamente dicen:

«Nombres que deben tratarse como válidos cuando se les propone. Para llegar a estar disponible, un nombre debe usarse como válido para un taxon cuando se le propone [...]».

«[Un nombre que se publicó por primera vez en una obra disponible como un sinónimo más moderno de un nombre usado en ese momento como válido, no queda, por ello, disponible.] Sin embargo, si tal nombre publicado como un sinónimo más moderno hubiese sido tratado antes de 1961 como un nombre disponible o bien adoptado como el nombre de un taxon o bien tratado como un homónimo más antiguo, queda, por ello, disponible pero se fecha por su primera publicación como un sinónimo más moderno (si es un nombre de nivel género véase el Artículo 67.12 para la especie tipo; [...]; véase el Artículo 50.7 para la autoría)».

Cuatro nombres, debidos a Leach (1826), Williams (1891) y Mordvilko (1924, 1929), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación, artículo 12.1, que dice:

«Para estar disponible, todo nombre nuevo publicado antes de 1931 debe satisfacer las disposiciones del Artículo 11 e ir acompañado de una descripción o una definición del taxon que denota, o de una indicación».

Dos nombres, debidos a Mordvilko (1908, 1914), por haber sido establecidos antes de 1931 sin descripción con palabras ni indicación (artículo 12.1) y además sin especies válidas incluidas, artículo 12.2.5, que dice:

«[A los efectos de este artículo la palabra “indicación” denota sólo lo siguiente:] en el caso de un nuevo nombre de nivel género, el uso de uno o más nombres específicos disponibles en combinación con él o claramente incluidos en él o claramente referidos a él mediante una referencia bibliográfica, siempre que el o los nombres específicos puedan asignarse sin ambigüedad a uno o varios táxones del grupo especie».

Trece nombres, debidos a Mordvilko (1932, 1955), Shinji (1933), Hille Ris Lambers (1945, tres), Börner (1949, 1952), Pašek (1966, dos), Knowlton (1972) y

A.K. Ghosh (1974, dos), por haber sido establecidos después de 1930 sin descripción verbal, artículo 13.1, que dice:

«Para estar disponible, todo nombre nuevo publicado después de 1930 debe satisfacer las disposiciones del Artículo 11 y debe

- 13.1.1. estar acompañado de una descripción o definición que exponga con palabras los caracteres que supuestamente diferencian el taxon, o
- 13.1.2. estar acompañado de una referencia bibliográfica de una exposición ya publicada, [...], o
- 13.1.3. estar propuesto expresamente como un nuevo nombre de reemplazo (nomen novum) para un nombre disponible, [...].»

Nueve nombres, debidos a Börner (1944, cinco; 1950, dos), Takahashi (1965) y Paik (1972) por haber sido establecidos después de 1930 sin especie tipo, artículo 13.3, que dice:

«Para estar disponible, todo nuevo nombre del grupo género publicado después de 1930 [...] debe, además de satisfacer las disposiciones del artículo 13.1, acompañarse de la fijación de una especie tipo en la publicación original [Art. 68] o proponerse expresamente como un nuevo nombre de reemplazo (nomen novum) [Art. 67.8].»

Cinco nombres, debidos a van der Goor (1915), Matsumura (1917), Shinji (1929, dos) y Özdikem & Demir (2007), por ser grafías originales alternativas no adoptadas por el primer revisor, artículo 19.3, que dice:

«Se considera que las grafías originales alternativas que no hayan sido adoptadas por el Primer Revisor [Art. 24.2] son grafías originales incorrectas y no están disponibles por separado [Art. 32.4].»

Dos nombres, debidos a Mordvilko (1919) y Takahashi (1962), por tratarse de una grafía original sustituida por una grafía posterior en uso predominante y atribuido a la publicación de la grafía original, artículo 33.3.1, que dice:

«si una grafía posterior incorrecta está en uso predominante y se le atribuye a la publicación de la grafía original, se deben conservar la grafía posterior y la atribución, considerándose que es la grafía original correcta.»

### **Taxones nominales de nivel género de APHIDOIDEA disponibles**

Taxones disponibles: 1220.

Taxones disponibles establecidos con rango de subgénero: 151.

Taxones disponibles establecidos con rango de género: 1069.

### ***Cronología***

Taxones disponibles establecidos en los primeros 75 años de nomenclatura zoológica linneana (1758–1832): ocho, sólo dos de ellos son entidades taxonómicas admitidas actualmente (tabla G-1).

Taxones disponibles establecidos en los primeros 100 años de nomenclatura linneana (1758–1857): 54 (tabla G-1).

Obsérvese en la tabla la existencia ya en esos años de varias situaciones nomenclaturales (sinonimias objetivas y subjetivas, homonimias, etc.), y considérense la elevada cantidad (27) de géneros establecidos para pulgones clasificados actualmente en ERIOSOMATINAE.

Taxones disponibles establecidos a partir de 1858 (inclusive): 1165 (tabla G-2 y figura G-1).

Hasta 1900 el establecimiento de géneros marchó lentamente y después de esa fecha el ritmo fue rápido aunque variado tanto por años como por decenios; los máximos de establecimientos se alcanzaron en los decenios 1911–1920 y 1961–1970 y los sub-máximos en los decenios 1921–1930 y 1951–1960.

### *Autorías*

Taxones disponibles de autor único: 1046.

Taxones disponibles con autor múltiple, dos a cuatro personas: 174.

Autorías diferentes, considerando también el orden de las personas: 97.

Personas involucradas: 245 (tabla G-3).

Personas más prolíficas, responsables de al menos un 1% de los nombres disponibles (12 nombres ó más): 33, que son responsables aproximadamente del 75% del total de géneros (tabla G-4).

### *Especies tipo*

Taxones disponibles con especie tipo válidamente designada: 1209 (tabla G-5).

Taxones disponibles sin especie tipo: 11, *Aorison*, *Chaitocallipterus*, *Euaulax*, *Halmodaphis*, *Jaxartaphis*, *Neomegoura*, *Orobion*, *Pteriaphis*, *Trichonaphis*, *Tuberculaphis* y *Turanaphis*.

Taxones con especies tipo que son inválidas objetivas (por ser homónimas posteriores): 3, *Hydaphias*, *Rizoberlesia* y *Submacrosiphum*.

Taxones con especies tipo que son validas objetivas, pero inválidas subjetivas (por ser sinónimas subjetivas posteriores): 227.

Taxones con especies tipo que son válidas objetivas y subjetivas: 979.

## Taxones nominales del nivel género válidos e inválidos

Taxones inválidos objetivos: 109

5 fueron suprimidos o invalidados por la Comisión Internacional de Nomenclatura Zoológica en uso de poderes plenarios, *Byrsocrypta*, *Brysocrypta*, *Doralis*, *Callaphis*, *Rhizobius*;

1 es *nomen oblitum*, *Phillophorus*;

1 es simultáneamente enmienda injustificada y homónimo posterior, *Microsiphon* Börner;

6 son enmiendas injustificadas, *Asiphon*, *Cryptosiphon*, *Drepanosiphon*, *Macrosiphon*, *Rhopalosiphon* y *Submacrosiphon*,

3 son simultáneamente homónimos y sinónimos objetivos posteriores, *Anacyrthosiphon* Raychaudhuri (D.N.) *et al.*, *Ferganaphis* Mukhamediev, *Paraneomyzus* Raychaudhuri (D.N.) *et al.*;

60 son homónimos posteriores; y

33 son sinónimos objetivos posteriores.

Taxones potencialmente válidos (válidos objetivos): 1111.

Autores más prolíficos, con 1% al menos de los géneros válidos objetivos (11 géneros): 33 (tabla G-6).

Taxones subjetivamente inválidos: 338.

Taxones subjetivamente válidos: 773.

Taxones subjetivamente válidos, pero sin significado taxonómico reconocido (nombres dudosos, *nomina dubia*): 22, debidos a Del Guercio, Gaumont y Koch (1 género cada uno), a Matsumura, Shinji y Theobald (2 géneros cada uno), y a Rafinesque, Rusanova y Mordvilko (3, 4 y 5 géneros respectivamente).

Taxones subjetivamente válidos y actualmente con significado taxonómico: 751.

## La distribución de los géneros válidos subjetivos en los taxones del nivel familia

La cantidad de géneros válidos en cada una de las familias y subfamilias es muy variado (tabla G-7). Treinta y siete géneros se pueden adscribir a un determinado taxon, superfamilia, familia o subfamilia, pero no se pueden incluir en ninguno de sus taxones subordinados, no tienen ubicación exacta (*incertae sedis*).

APHIDINAE es la subfamilia con más géneros, 352 de los 773, el 45,5% del total. Las dos subfamilias siguientes en cantidad de géneros (y subgéneros) son CALAPHIDINAE, con 92, el 11,9%, ERIOSOMATINAE con 76, el 9,8%, HORMAPHIDINAE con 48 alcanza el 6,2%, LACHNINAE con 26 el 3,4%, GREENIDEINAE el 2,9% con 23 y SALTUSAPHIDINAE el 2,1% con 16 géneros y subgéneros.

La comparación de la proporción entre el número de especies válidas y el número de géneros más subgéneros válidos en cada uno de los taxones del grupo familia

nos pueden dar una idea de las “acumulaciones” y “particiones” taxonómicas y la consiguiente necesidad de abordar revisiones globales de los taxones con más especies.

SALTUSAPHIDINAE y CALAPHIDINAE tienen los valores más bajos en la razón *especies válidas* : *géneros válidos*, respectivamente 3,75 y 3,84; ambas subfamilias han sido objeto de recientes revisiones de conjunto. Por el contrario, en APHIDINI y LACHNINAE esos valores son los más altos, respectivamente 18,48 y 14,92. En estos dos taxones se clasifican los dos géneros de pulgones con más especies válidas, respectivamente *Aphis* con 553 y *Cinara* con 241. Börner los escindió en varios géneros más, que no eran fáciles de diferenciar entre sí, quizás porque no reflejaban grupos naturales, y en consecuencia cayeron en desuso y posteriormente en sinonimia. Abordar revisiones taxonómicas globales de ambos géneros es muy incómodo por el elevado número de especies que encuadran y la amplísima distribución mundial que presentan, y al tiempo ambos son tan voluminosos porque han desalentado los trabajos de revisión interna. Los datos numéricos anteriores se han extraído de *Aphid Species File* (<http://Aphid.SpeciesFile.org>).



**AVAILABLE NAMES / NOMBRES DISPONIBLES*****Abamalekia*** Del Guercio, 1906

Publication reference: Redia, 3: 364.

Described as genus.

Type species: *Abamalekia lazarewi* Del Guercio, 1906; by original designation; junior synonym of *Aphis chinensis* Bell, 1851.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

***Absinthaphis*** Remaudière, 1973

Publication reference: Starý & Remaudière, Entomophaga, 18 (3): 288.

Described as subgenus of *Protaphis* Börner, 1952.

Type species: *Cryptosiphum cinae* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xerobion* Nevsky, 1928.

***Abstrusomyzus*** Jensen & Stoetzel, 1999

Publication reference: Proceedings of the Entomological Society of Washington, 101: 48.

Described as genus.

Type species: *Phorodon phloxae* Sampson, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Abura*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 407.

Described as genus.

Type species: *Abura momocola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae.

***Acanthaphis*** Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 15.

Described as genus.

Type species: *Acanthaphis rubi* Matsumura, 1918; by original designation.

Objective status: Available but invalid — Junior homonym of *Acanthaphis* Del Guercio, 1908 (Hemiptera: Phylloxeridae).

Useful information about the objective status: Replaced by *Matsumuraja* Schumacher, 1921 (*nomen novum*).

***Acanthocallis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 6: 367.

Described as genus.

Type species: *Acanthocallis quercicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sinituberculatus* Zhang (W.-y.) & Zhang (G.-x.), 1991.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Acanthotrichaphis*** Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskij Zhurnal, 3: 45.

Described as genus.

Type species: *Acanthotrichaphis paulisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Acanthotuberculatus*** Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 49.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus japonicus* Higuchi, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Acanthulipes*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 254

Described as genus.

Type species: *Alphitoaphis carpathica* Börner, 1942; by original designation; junior synonym of *Xenomyzus corticis* Aizenberg, 1935.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

***Acaudella*** Nevsky, 1929

Publication reference: Zoologische Anzeiger, 82: 211.

Described as genus.

Type species: *Acaudella puchovi* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Acaudinum*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 132.

Described as genus.

Type species: *Aphis centaureae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Acaudinum* and *Protacaudinum* Holman, 1991.

***Acaudus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 97.

Described as genus.

Type species: *Aphis lychnidis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Aconitaphis*** Ivanovskaja, 1971

Publication reference: Ivanovskaja & Ostanin, Novye i Maloizvestnye Vidy Fauny Sibiri [Cherepanov (Ed.)], 5: 14.

Described as genus.

Type species: *Aconitaphis salebrosus* Ivanovskaja, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eokakimia* Heie, 1979.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

***Acuticauda*** Hille Ris Lambers, 1956

Publication reference: Bolletino del Laboratorio di Entomologia Agraria Filippo Silvestri di Portici, 14: 292.

Described as genus.

Type species: *Aphis asterensis* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Acutosiphon*** Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970

Publication reference: Proceedings of the Zoological Society [Calcutta], 23: 84.

Described as genus.

Type species: *Acutosiphon obliquoris* Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Acyrthosiphon*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 75.

Described as genus.

Type species: *Aphis pisi* Kaltenbach, 1843; by original designation; junior synonym of *Aphis pisum* Harris, 1776.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Macchiatiella* Del Guercio, 1917.

Subjective status: Valid — Senior synonym of *Hottesina* Börner, 1950, *Lactucobium* Hille Ris Lambers, 1947, *Macchiatiella* Del Guercio, 1917, *Macrocaudus* Shinji, 1930, *Mirotarsus* Börner, 1939, *Tenuisiphon* Mordvilko, 1948, and *Tlja* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Acyrthosiphon*, *Liporrhinus* Börner, 1939, and *Xanthomyzus* Narzikulov, 1966.

***Adactynus*** Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis pterisaquilinoides* Rafinesque, 1817; by subsequent designation (Börner, 1930: 161).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Afghanaphis*** Takahashi, 1966

Publication reference: Results of the Kyoto University Scientific Expedition to the Karakoram and Hindukush, 8: 267.

Described as genus.

Type species: *Afghanaphis ulmi* Takahashi, 1966; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818

***Agrioaphis*** Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis myricae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Aiceona*** Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 85.

Described as genus.

Type species: *Aiceona actinodaphnis* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aiceoninae — With subgenera *Aiceona* and *Subaiceona* Singh & Raychaudhuri (D.N.), 1978.

***Aixaphis*** Heie, 1970

Publication reference: Entomologica Scandinavica, 1: 115.

Described as genus.

Type species: *Tetraneura oligocenica* Theobald, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Akkaia*** Takahashi, 1919

Publication reference: Konchû Sekai, 23: 439.

Described as genus.

Type species: *Akkaia polygoni* Takahashi, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. — Senior synonym of *Siphonocoryne* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Akkaiopsis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 345.

Described as genus.

Type species: *Akkaiopsis boschophaga* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Alataumyzus*** Kadyrbekov, 1993

Publication reference: Zoologicheskii Zhurnal, 72 (1): 48.

Described as subgenus of *Cryptomyzus* Oestlund, 1923.

Type species: *Cryptomyzus (Alataumyzus) malkovskii* Kadyrbekov, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

***Aleurodaphis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 239.

Described as genus.

Type species: *Aleurodaphis blumeae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Aleurosiphon*** Takahashi, 1966

Publication reference: Transactions of the American Entomological Society, 92: 527.

Described as subgenus of *Aphis* Linneaus, 1758.

Type species: *Aphis smilacifoliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Alhambra*** Gómez-Menor, 1958

Publication reference: Boletín de la Real Sociedad Española de Historia Natural, (Sección Biológica), 55: 404.

Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Dasia* Gómez-Menor, 1951.

Subjective status: Junior synonym of *Protaphis* Börner, 1952.

***Allaphis*** Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 57.

Described as genus.

Type species: *Callaphis caricicola* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 76)]; by subsequent designation (Quednau, 2010: 76), junior synonym of *Thripsaphis producta* Gillette, 1917.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Heterocallis* Quednau, 1966.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

***Allarctaphis*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: *Chaitophorus nassonowi* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Alloambria*** Richards, 1966

Publication reference: Canadian Entomologist, 98: 756.

Described as genus.

Type species: *Alloambria caudata* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

***Allocotaphis*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 4.

Described as genus.

Type species: *Neanuraphis quaestionis* Börner, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Malaphis* Shaposhnikov, 1951.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Allothoracaphis*** Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 8.

Described as genus.

Type species: *Thoracaphis piyananensis* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Allotrichosiphum*** Takahashi, 1962

Publication reference: *Transactions of the Shikoku Entomological Society*, 7: 70.

Described as genus.

Type species: *Trichosiphum kashicola* Kurisaki, 1920; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Subsequent spelling for *Allotrichosiphon* Takahashi, 1962 in frequent use and attributed to the author in the original work (Article 33.3.1).

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini

***Aloephagus*** Essig, 1950

Publication reference: *Pan-Pacific Entomologist*, 26: 22.

Described as genus.

Type species: *Aloephagus myersi* Essig, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Alphitoaphis*** Hottes, 1926

Publication reference: *Proceedings of the Biological Society of Washington*, 39: 116.

Described as genus.

Type species: *Aphis lonicericola* Williams, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.



***Amalancon*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 270.

Described as genus.

Type species: *Amalancon lutosus* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Ambopemphigus*** Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 27.

Described as genus.

Type species: *Ambopemphigus romani* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Amegosiphon*** Narzikulov, 1958

Publication reference: Trudy Akademii Nauk Tadzhikskoy SSR, 89: 21.

Described as genus.

Type species: *Rhopalosiphoninus platicaudus* Narzikulov, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Elbourzaphis* Remaudière & Davatchi, 1959.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Amelanchieria*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.

Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis sensoriata* Gillette & Bragg, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

***Americaphis*** Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 97.

Described as genus.

Type species: *Americaphis longipes* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Ammiaphis*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 115.

Described as genus.

Type species: *Aphis sii* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Amphicercidus*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 126.

Described as genus.

Type species: *Aphis pulverulens* Gillette, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ferganaphis* Narzikulov & Mukhamediev, 1975, *Ferganaphis* Mukhamediev, 1976, *Melanosiphum* Shinji, 1942, and *Sogdianella* Mukhamediev, 1965.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Amphorinophora*** MacGillivray, 1958

Publication reference: Temminckia, 10 [reprint]: 11.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Amphorophora crystleae* Smith & Knowlton, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

***Amphorophora*** Buckton, 1876

Publication reference: Monograph of the British Aphides, 1: 187.

Described as genus.

Type species: *Amphorophora ampullata* Buckton, 1876; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eunectarosiphon* Del Guercio, 1913.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Amphorophora* and *Galiaphis* Ossianni-Isson, 1954.

***Amphorosiphon*** Hille Ris Lambers, 1949

Publication reference: *Temminckia*, 8: 242.

Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Delphiniobium pulmonariae* Börner, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Ampullosiphon*** Heikinheimo, 1955

Publication reference: Suomen Hyonteistieteellinen Aikakauskirja, 21 (1): 5.

Described as subgenus of *Amphorophora* Buckton, 1876.

Type species: *Amphorophora (Amphorosiphon) stachydis* Heikinheimo, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

***Amycla*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 301.

Described as genus.

Type species: *Amycla fuscifrons* Koch, 1857; by subsequent designation (Wilson, 1910: 148); Junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior homonym of *Amycla* Rafinesque, 1815 (Neuroptera), *Amycla* Daubledoy, 1849 (Lepidoptera), and *Amycla* Adams, 1853 (Mollusca)

Useful information about the objective status: Replaced by *Tetraneura* Hartig, 1841.

***Anacallis*** Remaudière, 1982

Publication reference: Annales de la Société Entomologique de France, (N.S.), 18: 386.

Described as subgenus of *Mexicallis* Remaudière, 1982.

Type species: *Anacallis areolatus* Remaudière, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Mexicallis* Remaudière, 1982.

***Anacyrthosiphon*** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1: 59.

Described as subgenus of *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacyrthosiphon (Pseudoacyrthosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1980.

Useful information about the objective status: Replaced by *Ericolophium* Tao, 1963.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

***Anacyrthosiphon*** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980

Publication reference: Raychaudhuri (D.N.) [Ed.], *Aphids of North-East India and Bhutan*: 242.

Described as subgenus of *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Type species: *Neoacyrthosiphon (Pseudoacyrthosiphon) takahashii* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym and junior objective synonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

***Anameson*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 63.

Described as genus.

Type species: *Anameson kamtshaticum* Mordvilko, 1914; by subsequent designation (Mordvilko, 1919: 336).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sitobion* Mordvilko, 1914.

***Anaulacorthum*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Proceedings of the Zoological Society [Calcutta]*, 25: 93.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Aulacorthum (Anaulacorthum) fagopyri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Anconatus*** Buckton, 1883

Publication reference: *Monograph of the British Aphides*, 4: 177.

Described as genus.

Type species: *Anconatus dorsuosus* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*.

***Andinaphis*** Mier Durante, Ortego & Nieto Nafría, 1997

Publication reference: Proceedings of the Entomological Society of Washington, 99: 721.

Described as subgenus of *Brachyunguis* Das (B.), 1918.

Type species: *Brachyunguis (Andinaphis) paradoxus* Mier Durante, Ortego & Nieto Nafría, 1997; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Andorracallis*** Quedna, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 50.

Described as genus.

Type species: *Andorracallis pujadei* Quedna, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Aniferella*** Richards, 1966

Publication reference: Canadian Entomologist, 98: 759.

Described as genus.

Type species: *Aniferella bostoni* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Anocaudus*** Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969

Publication reference: Oriental Insects, 3: 328.

Described as genus.

Type species: *Anocaudus taxus* Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

***Anochetium*** Wood-Baker, 1943

Publication reference: Proceedings of the Royal Irish Academia, (B), 49: 140.

Described as genus.

Type species: *Anochetium nondescriptum* Wood-Baker, 1943; by original designation; junior synonym of *Laingia psammae* Theobald, 1922.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Laingia* Theobald, 1922.

***Anoecia*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 275.

Described as genus.

Type species: *Aphis corni* Fabricius, 1775; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neanoecia* Börner, 1950, and *Subanoecia* Börner, 1950.

Taxonomic position: Aphididae Anoeciinae — With subgenera *Anoecia* and *Paranoecia* Zwölfer, 1953.

***Anomalaphis*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 52.

Described as genus.

Type species: *Anomalaphis comperei* Pergande, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Anomalosiphum*** Takahashi, 1934

Publication reference: Stylops, 3: 54.

Described as genus.

Type species: *Anomalosiphum pithecolobii* Takahashi, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Antalus*** Adams, 1965

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 34: 83.

Described as genus.

Type species: *Antalus albatu*s Adams, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterasthenia* Stroyan, 1952.

***Anthemidaphis*** Tashev, 1967

Publication reference: Dokladi na Bulgarskata Akademiya na Naukite, 20 (10): 1069.

Described as genus.

Type species: *Anthemidaphis oligommata* Tashev, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Anthracosiphon*** Hille Ris Lambers, 1947

Publication reference: Temminckia, 7: 195.

Described as genus.

Type species: *Anthracosiphon hertae* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Anthracosiphoniella*** Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 169.

Described as genus.

Type species: *Anthracosiphoniella maculatum* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macromyzus* Takahashi, 1960.

***Antimacrosiphon*** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 233.

Described as genus.

Type species: *Antimacrosiphon bullacaudatum* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Antisymydobius*** Qiao & Zhang (G.-x.), 2002

Publication reference: Journal of the Kansas Entomological Society, 75 (4): 243.

Described as subgenus of *Symydobius* Mordvilko, 1894.

Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Yezocallis* Matsumura, 1917.

***Antonaphis*** Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 589.

Described as genus.

Type species: *Antonaphis brachycera* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Anuraphis*** Del Guercio, 1907

Publication reference: Redia, 4: 191.

Described as genus.

Type species: *Aphis pyri* Koch, 1854; by original designation; junior synonym of *Aphis farfarae* Koch, 1854.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Anuriella*** Del Guercio, 1921

Publication reference: Redia, 14 [1920]: 113.

Described as genus.

Type species: *Anuriella dorsolineata* Del Guercio, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Anuromyzus*** Shaposhnikov, 1959

Publication reference: Entomologicheskoe Obozrenie, 38 (1): 156.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dysaphis (Anuromyzus) cotoneasteris* Shaposhnikov, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aorison*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.



Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Apathaphis* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 245.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis clematidis* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Aphantaphis* Scudder, 1890**

Publication reference: Report of the United States Geological Survey of the Territories, 13: 253.

Described as genus.

Type species: *Aphantaphis exsua* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Aphidiella* Theobald, 1923**

Publication reference: Entomologist's Monthly Magazine, 59: 105.

Described as genus.

Type species: *Aphidiella secreticauda* Theobald, 1923; by original designation; junior synonym of *Aphis avenae* Fabricius, 1775.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sitobion* Mordvilko, 1914.

***Aphidinius* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 93.

Described as genus.

Type species: *Aphidinius constrictus* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Aphidioides* Motschulsky, 1857**

Publication reference: Études d'Entomologie, 5 [1856]: 29.

Described as genus.

Type species: *Aphidioides succifera* Motschulsky, 1857; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid

Taxonomic position: Aphididae.

***Aphidocallis*** Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 595.

Described as genus.

Type species: *Aphidocallis caudatus* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Aphidopsis*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 260.

Described as genus.

Type species: *Aphidopsis margarum* Scudder, 1890; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Aphidounguis*** Takahashi, 1963

Publication reference: Kontyû, 31: 156.

Described as genus.

Type species: *Aphidounguis mali* Takahashi, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Aphidula*** Nevsky, 1929

Publication reference: Zoologische Anzeiger (Wasmann-Festband), 82: 208.

Described as genus.

Type species: *Aphidula althaeae* Nevsky, 1929; by original designation; junior synonym of *Aphis davletshinae* Hille Ris Lambers, 1966.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Aphidura*** Hille Ris Lambers, 1956

Publication reference: Bolletino del Laboratorio di Entomologia Agraria Filippo Silvestri di Portici, 14: 293.

Described as genus.

Type species: *Aphidura ornata* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Cerasomyzus* Narzikulov, 1958.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aphiduromyzus*** Umarov & Ibramova, 1967

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 10 (3): 59.

Described as genus.

Type species: *Aphiduromyzus rosae* Umarov & Ibramova, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aphioides*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28 (footnote).

Described as genus.

Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Aphioides* Rondani, 1848.

Useful information about the objective status: Replacement name (*nomen novum*) for *Cladobius* Koch, 1856. Replaced by *Aristaphis* Kirkaldy, 1905 (*nomen novum*).

***Aphioides*** Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis bursaria* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Pemphigus* Hartig, 1839.

Useful information about the objective status: Senior homonym of *Aphioides* Passerini, 1860.

***Aphis*** Linnaeus, 1758

Publication reference: *Systema Naturae*, editio X: 451.

Described as genus.

Type species: *Aphis sambuci* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 677].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 677: name number 1560].

Subjective status: Valid — Senior synonym of *Apathaphis* Börner, 1952, *Aphidula* Nevsky, 1929, *Asiataphis* Narzikulov, 1970, *Bituberculaphis* Rusanova, 1943, *Brachysiphum* van der Goot, 1913, *Cerosipha* Del Guercio, 1900, *Chaitophoroides* Mordvilko, 1909, *Comaphis* Börner, 1940, *Debilisiphon* Shaposhnikov, 1950, *Doralida* Börner, 1950, *Doralina* Börner, 1940, *Leucosiphon* Börner, 1952, *Longirostrina* Kumar & Burkhardt, 1971, *Longirostris* Kumar & Burkhardt, 1970, *Medoralis* Börner, 1952, *Microsiphon* Del Guercio, 1907, *Papillaphis* Börner, 1952, *Pergandeida* Schouteden, 1903, *Uraphis* Del Guercio, 1907, *Wapuna* Hottes & Wehrle, 1951, and *Weibanaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — With subgenera *Aphis*, *Bursaphis* MacVicar Baker, 1934, *Pseudoprotaphis* Kadyrbekov, 2001, and *Zyxaphis* Knowlton, 1947.

***Aphorodon*** Takahashi, 1961

Publication reference: *Bulletin of the University of Osaka Prefecture*, (Ser. B, Agriculture and Biology), 11: 3.

Described as genus.

Type species: *Myzus polygonifoliae* Shinji, 1944; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

***Aphthargelia*** Hottes, 1958

Publication reference: *Proceedings of the Biological Society of Washington*, 71: 43.

Described as genus.

Type species: *Aphis albipes* Oestlund, 1887; denoted by new replacement name (Article 67.8); junior synonym of *Aphis symphoricarpi* Thomas, 1878.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thargelia* Oestlund, 1923.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aplonervoides*** Zhang (G.-x.), 1992

Publication reference: Zhang (G.x.), Zhong & Zhang (W.-y.), Peng & Liu [Eds.], *Iconography of forest Insects in Hunan (China)*: 138.

Described as genus.

Type species: *Aplonervoides erythrocerus* Zhang (G.-x.), 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nymphaphis* Takahashi, 1960.

***Aploneura*** Passerini, 1863

Publication reference: *Archivo per la Zoologia, l'Anatomia e la Fisiologia di Modena*, 2 (2) [1862]: 201.

Described as genus.

Type species: *Tetraneura lentisci* Passerini, 1856; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.

Subjective status: Valid — Senior synonym of *Neorhizobius* Del Guercio 1917, and *Rhizoctonus* Horváth, 1896.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Appelia*** Börner, 1930

Publication reference: *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 133.

Described as genus.

Type species: *Aphis tragopogonis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Appendiseta*** Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 75.

Described as genus.

Type species: *Callipterus robiniae* Gillette, 1907; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Apulicallis*** Barbagallo & Patti, 1991

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 23 (2): 154.

Described as genus.

Type species: *Apulicallis trojanae* Barbagallo & Patti, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Arakawana*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 375.

Described as genus.

Type species: *Arakawana stigmata* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Archeoessigella*** Sorensen, 1994

Publication reference: Pan-Pacific Entomologist, 70: 21.

Described as subgenus of *Essigella* del Guercio, 1909.

Type species: *Essigella kathleenae* Sorensen, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Essigella* Del Guercio, 1909.

***Archilachnus*** Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 177.

Described as genus.

Type species: *Archilachnus pennatus* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Arctaphis*** Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis populeti* Panzer, 1801; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Aresha*** Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 54.

Described as genus.

Type species: *Aresha shelkovnikovi* Mordvilko, 1921; by monotypy; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

***Arimakia*** Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7: 405.

Described as genus.

Type species: *Arimakia araliae* Matsumura, 1917; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

***Aristaphis*** Kirkaldy, 1905

Publication reference: *Canadian Entomologist*, 37: 416.

Described as genus.

Type species: *Aphis populea* Kaltenbach, 1843; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Aphioides* Passerini, 1860.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

***Artemisaphis*** Knowlton & Roberts, 1947

Publication reference: *Journal of the Kansas Entomological Society*, 20: 27.

Described as genus.

Type species: *Aphis artemisicola* Williams, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Asiataphis*** Narzikulov, 1970

Publication reference: *Entomologicheskoe Obozrenie*, 49 (2): 362.

Described as genus.

Type species: *Aphis verbasci* Narzikulov, 1970; by original designation; junior synonym of *Aphis verbasci* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Asiphon*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 190.

Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Asiphum* Koch, 1856.

***Asiphonaphis*** Wilson & Davis, 1919

Publication reference: Entomological News, 30: 39.

Described as genus.

Type species: *Asiphonaphis pruni* Wilson & Davis, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Asiphonella*** Theobald, 1923

Publication reference: Bulletin of the Entomological Society of Egypt, 1922: 76.

Described as genus.

Type species: *Asiphonella dactylonii* Theobald, 1923; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Asiphum*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 246.

Described as genus.

Type species: *Aphis tremulae* Linnaeus, 1761; by subsequent designation (Gerstaecker, 1859: 249) & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Asiphon* Börner, 1952.



Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

***Aspidaphis*** Gillette, 1917

Publication reference: Canadian Entomologist, 49: 196.

Described as genus.

Type species: *Aspidaphis polygoni* Gillette, 1917; by monotypy; junior synonym of *Aphis adjuvans* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Polygonaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aspidaphium*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 81.

Described as genus.

Type species: *Aspidaphium escherichi* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

***Aspidophorodon*** Verma, 1966

Publication reference: Indian Journal of Entomology, 28: 507.

Described as genus.

Type species: *Aspidophorodon harvensis* Verma, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Aspidophoron* and *Eoessigia* David, Rajasingh & Narayaan, 1972.

***Astegopteryx*** Karsch, 1890

Publication reference: Berichte der Deutschen Botanische Gesellschaft, 8: 51.

Described as genus.

Type species: *Astegopteryx styracophila* Karsch, 1890; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Oregma* Buckton, 1893, *Pseudoastegopteryx* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, and *Trichoregma* Takahashi, 1929.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Asterobium*** Hille Ris Lambers, 1938

Publication reference: Temminckia, 3: 19.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Aphis asteris* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

***Atarsaphis*** Takahashi, 1958

Publication reference: Kontyû, 26 (4): 181.

Described as genus.

Type species: *Atarsaphis quercus* Takahashi, 1958; by original designation; junior synonym of *Hamamelistes agrifoliae* Ferris, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Atarsos*** Gillette, 1911

Publication reference: Entomological News, 22: 440.

Described as genus.

Type species: *Atarsos grindeliae* Gillette, 1911; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Atheroides*** Haliday, 1838

Publication reference: Annals and Magazine of the Natural History, 2 (9): 189.

Described as genus.

Type species: *Atheroides serrulatus* Haliday, 1839; by subsequent designation (Kirkaldy, 1906: 10).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Corealachus* Paik, 1971.

Taxonomic position: Aphididae Chaitophorinae Siphini.

***Aulacophora*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 175.

Described as genus.

Type species: *Amphorophora formosana* Takahashi, 1923; by original designation.

Objective status: Available but invalid — Junior homonym of *Aulacophora* Dejean, 1835 (Coleoptera), and *Aulacophora* Jeffreys, 1882 (Mollusca).

Useful information about the objective status: Replaced by *Aulacophoroides* Tao, 1976 (*nomen novum*).

***Aulacophoroides*** Tao, 1976

Publication reference: Eastop & Hille Ris Lambers, Survey of the World's Aphids: 99.

Described as genus.

Type species: *Amphorophora formosana* Takahashi, 1923; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Aulacophora* Tao, 1963.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Aulacorthum*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 68.

Described as genus.

Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 27) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomacrosiphum* van der Goot, 1915.

Subjective status: Valid — Senior synonym of *Dysaulacorthum* Börner, 1939, *Neomacrosiphum* van der Goot, 1915, and *Pseudomegoura* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Aulacorthum*, and *Perillaphis* Takahashi, 1965.

***Avicennina*** Narzikulov, 1957

Publication reference: Entomologicheskoe Obozrenie, 36 (3): 676.

Described as genus.

Type species: *Avicennina sogdiana* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Bacillaphis*** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: *Saltusaphis ornata* Theobald, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Subsaltusaphis* Quednau, 1952.

***Baizongia*** Rondani, 1848

Publication reference: *Nuovi Annali delle Scienze Naturali di Bologna*, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis pistaciae* Linnaeus, 1767; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Dasia* van der Goot, 1918.

Subjective status: Valid — Senior synonym of *Dasia* van der Goot, 1918, and *Pemphigella* Tullgren, 1909.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Baizongiella*** Blanchard (E.E.), 1944

Publication reference: *Acta Zoológica Lilloana*, 2: 44.

Described as genus.

Type species: *Baizongiella solanophila* Blanchard (E.E.). 1944; by monotypy; junior synonym of *Pemphigus canadensis* Del Guercio, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

***Balticaphis*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 160.

Described as genus.

Type species: *Balticaphis exsiccata* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae.

***Baltichaitophorus*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 180.

Described as genus.

Type species: *Baltichaitophorus jutlandicus* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Baltichaitophorinae.

***Balticomaraphis*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 167.

Described as genus.

Type species: *Balticomaraphis latens* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Balticorostrum*** Heie, 1967

Publication reference: *Spoila Zoologica Musei Hauniensis*, 26: 77.

Described as subgenus of *Germaraphis* Heie, 1967.

Type species: *Germaraphis (Balticorostrum) oblonga* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae — Subgenus of *Germaraphis* Heie, 1967.

***Belochilum*** Börner, 1931

Publication reference: Börner & Schilder, *Aphidoidea* [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 630.

Described as genus.

Type species: *Siphonophora inulae* Ferrari, 1872; by monotypy & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1909.

***Berberidaphis*** Narzikulov, 1960

Publication reference: *Doklady Akademii Nauk Tadzhikskoy SSR*, 3 (2): 31.

Described as genus.

Type species: *Liosomaphis lydiae* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Berendtaphis*** Heie, 1971

Publication reference: *Deutsche Entomologische Zeitschrift*, (N.F.), 18 (1-3): 262.

Described as genus.

Type species: *Lachnus cimicoides* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

***Betacallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 110.

Described as genus.

Type species: *Betacallis alnicolens* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Betulaphis*** Glendenning, 1926

Publication reference: Canadian Entomologist, 58: 96.

Described as genus.

Type species: *Betulaphis occidentalis* Glendenning, 1926; by original designation; junior synonym of *Aphis quadrituberculata* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Biamoaphis*** Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 485.

Described as genus.

Type species: *Biamoaphis antiqua* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Bicaudella*** Rusanova, 1943

Publication reference: Izvestiya Azerbaidjanskogo Filiala Akademii Nauk SSSR, 4: 32.

Described as genus.

Type species: *Bicaudella astragalensis* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Bipersona*** Hottes, 1926

Publication reference: Proceedings of the Biological Society of Washington, 39: 115.

Described as genus.

Type species: *Aphis torticauda* Gillette, 1907; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Bituberculaphis*** Rusanova, 1943

Publication reference: Izvestiya Azerbaidjanskogo Filiala Akademia Nauk SSSR, 4: 29.

Described as genus.

Type species: *Bituberculaphis inexpectata* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Blanchardaphis*** Ortego, Nieto Nafría & Mier Durante, 1998

Publication reference: Boletín de la Asociación Española de Entomología, 22 (1-2): 230.

Described as genus.

Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Blanchardia* Ortego, Nieto Nafría & Mier Durante, 1997.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Blanchardia*** Ortego, Nieto Nafría & Mier Durante, 1997

Publication reference: Canadian Entomologist, 129: 1094.

Described as genus.

Type species: *Blanchardia poikila* Ortego, Nieto Nafría & Mier Durante, 1997; by original designation.

Objective status: Available but invalid — Junior homonym of *Blanchardia* Castelnau, 1875 (Actinopterygii), *Blanchardia* Buchecker, 1880 (Lepidoptera), *Blanchardia* Wierzejski, 1890 (Protozoa), *Blanchardia* Brongniart, 1893 (Protoephemeroptera), *Blanchardia* Blatchley, 1910 (Coleoptera), *Blanchardia* Gedroye 1915 (Hirudinea).

Useful information about the objective status: Replaced by *Blanchardaphis* Ortego, Nieto Nafría & Mier Durante, 1998 (*nomen novum*).

***Boernerina*** Bramstedt, 1940

Publication reference: Anzeiger für Schädlingskunde, 16: 13.

Described as genus.

Type species: *Boernerina depressa* Bramstedt, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Boernerinella* Hille Ris Lambers & Hottes, 1962.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Boernerinella*** Hille Ris Lambers & Hottes, 1962

Publication reference: Entomologische Berichten [Amsterdam], 22: 112.

Described as subgenus of *Boernerina* Bramstedt, 1940.

Type species: *Boernerina (Boernerinella) occidentalis* Hille Ris Lambers & Hottes, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Boernerina* Bramstedt, 1940.

***Boisduvalia*** Signoret, 1868

Publication reference: Annales de la Societ  Entomologique de France, (ser. 4), 8: 400.

Described as genus.

Type species: *Coccus lataniae* Boisduval, 1867; by original designation.

Objective status: Available but invalid — Junior homonym of *Boisduvalia* Robineau-Desvoisy, 1830 (Diptera).

Useful information about the objective status: Replaced by *Cerataphis* Lichtenstein, 1882.

***Bolshayanoecia*** Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 478.

Described as genus.

Type species: *Bolshayanoecia rasnitsyni* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

***Boreamyzus*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 590.

Described as subgenus of *Ericaphis* Börner, 1939

Type species: *Ovatus latifrons* Börner, 1942; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

***Bozhkoja*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chati SSSR, 1: 592.

Described as subgenus of *Brevicoryne* Das (B.), 1915.

Type species: *Brevicoryne crambe* Bozhko, 1950; by monotypy.



Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brevicoryne* Das (B.), 1915.

***Brachycaudina*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 132.

Described as genus.

Type species: *Aphis napelli* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Brachycaudus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 97.

Described as genus.

Type species: *Aphis myosotidis* Koch, 1854; by original designation; junior synonym of *Aphis helichrysi* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoacaudus* Theobald, 1927.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Brachycaudus*, *Acaudus* van der Goot, 1913, *Appelia* Börner, 1930, *Brachycaudina* Börner, 1950, *Mordvilkomemor* Shaposhnikov, 1950, *Nevskyaphis* Shaposhnikov, 1950, *Prunaphis* Shaposhnikov, 1964, and *Scrophulaphis* Andreev, 1982.

***Brachycolus*** Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 146.

Described as genus.

Type species: *Aphis stellariae* Hardy, 1850; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brachycoryne*** Aizenberg, 1935

Publication reference: Zapiski Bolshevskoy Biologicheskoy Stanzii, 7-8: 157.

Described as genus.

Type species: *Brachycolus asparagi* Mordvilko, 1929; by original designation.

Objective status: Available but invalid — Junior homonym of *Brachycoryne* Mabill, 1883 (Lepidoptera).

Useful information about the objective status: Replaced by *Brachycorynella* Aizenberg, 1954 (*nomen novum*).

***Brachycorynella*** Aizenberg, 1954

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obshchestva, 45: 154.

Described as genus.

Type species: *Brachycolus asparagi* Mordvilko, 1929; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Brachycoryne* Aizenberg, 1935.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brachymyzus*** Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 223.

Described as genus.

Type species: *Brachymyzus jasmini* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brachysiphoniella*** Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 61.

Described as genus.

Type species: *Brachycolus gramini* Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brachysiphum*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 105.

Described as genus.

Type species: *Aphis thalictri* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Brachyunguis*** Das (B.), 1918

Publication reference: Memoirs of the Indian Museum, 6: 227.

Described as genus.

Type species: *Brachyunguis harmalae* Das (B.), 1918; by subsequent designation (Börner & Schilder, 1930: 183).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Parabrachyunguis* Remaudière & Davatchi, 1955.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — With subgenera *Brachyunguis* and *Xerophilaphis* Nevsky, 1928.

***Bradyaphis*** Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 46.

Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Monaphis* Walker, 1870.

***Braggia*** Gillette & Palmer, 1929

Publication reference: Annals of the Entomological Society of America, 22: 28.

Described as genus.

Type species: *Braggia echinata* Gillette & Palmer, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Brasilaphis*** Mordvilko, 1930

Publication reference: Doklady Akademii Nauk SSSR, (A), 1930: 278.

Described as genus.

Type species: *Brasilaphis bondari* Mordvilko, 1930; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Brevicaudus*** Shaposhnikov, 1964

Publication reference: Entomologicheskoe Obozrenie, 43 (1): 151.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis amygdalinus* Schouteden, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

***Brevicorynaphis*** Hille Ris Lambers, 1956

Publication reference: Mitteilungen der Entomologischen Gesellschaft Basel, 29 (4): 381.

Described as genus.

Type species: *Brevicorynaphis schneideri* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smiela* Mordvilko, 1948.

***Brevicoryne*** Das (B.), 1915

Publication reference: van der Goot, Beiträge zur Kenntnis der Holländischen Blattläuse. Eine Morphologisch-systematische Studie: 245.

Described as genus.

Type species: *Aphis brassicae* Linnaeus, 1758; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Bozhkoja* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brevicorynella*** Nevsky, 1929

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Serie VIII-a, Zoologija), 3: 21.

Described as genus.

Type species: *Brevicorynella quadrimaculata* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brevisiphonaphis*** Stekolshchikov & Qiao, 2008

Publication reference: Zootaxa, 1714: 37.

Described as genus.

Type species: *Brevisiphonaphis hirsutissima* Stekolshchikov & Qiao, 2008; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Brevitrichosiphon*** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: Kontyû, 41: 54.

Described as genus.

Type species: *Brevitrichosiphon mukerjii* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Brysocrypta*** Westwood, 1840

Publication reference: An introduction to the modern classification of Insects, vol II: 118.

Described as genus.

Type species: *Eriosoma ulmigallarum* Haliday, 1838; by original designation; junior synonym of *Tetraneura ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior objective synonym of *Brysocrypta* Haliday, 1838. Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2048].

***Buchneria*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 242.

Described as genus.

Type species: *Aphis pectinatae* Nördlinger, 1880; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Bucktonia*** Lichtenstein, 1896

Publication reference: Monographie des Pucerons du Peuplier: 17.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus affinis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thecabius* Koch, 1857.

***Bursaphis*** MacVicar Baker, 1934

Publication reference: Anales del Instituto de Biología de la Universidad Nacional de México, 5: 217.

Described as genus.

Type species: *Bursaphis solitaria* MacVicar Baker, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.

***Burundiaphis*** Remaudière, 1985

Publication reference: Remaudière & Autrique [Eds.], Etude FAO Production Végétal et Protection des Plantes, 64: 176.

Described as genus.

Type species: *Burindiaphis autriquei* Remaudière, 1985; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Byrsocrypta*** Haliday, 1838

Publication reference: Annals and Magazine of the Natural History, 2 (9): 190.

Described as genus.

Type species: *Eriosoma ulmigallarum* Haliday, 1838; by subsequent designation (Fitch, 1855: 711); Junior synonym of *Tetraneura ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Invalid under plenary powers by the International Commission on Zoological Nomenclature [Opinion 1019].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Names in Zoology [Opinion 1019; name number 2047]. Replaced by *Tetraneura* Hartig, 1841.

***Byrsocryptoides*** Dzhibladze, 1960

Publication reference: Trudy Instituta Zoologii Akademii Nauk Gruzinskoy SSR, 17: 234.

Described as genus.

Type species: *Byrsocryptoides zelkovae* Dzhibladze, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Cachryphora*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 132.

Described as genus.

Type species: *Rhopalosiphum serotinae* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Calaphis*** Walsh, 1862

Publication reference: Proceedings of the Entomological Society of Philadelphia, 1: 301.

Described as genus.

Type species: *Calaphis betulella* Walsh, 1862; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2294].

Subjective status: Valid — Senior synonym of *Kallistaphis* Kirkaldy, 1905, *Neocallipterus* van der Goot, 1915, and *Siphonocallis* Del Guercio, 1914.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Californicallis*** Quednau & Remaudière, 1994

Publication reference: Canadian Entomologist, 126: 310.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis agrifolicola* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Callaphis*** Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by original designation.

Objective status: Available but invalid — Suppressed by the International Commission on Zoological Nomenclature, 1985 [Opinion 1358].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 1358; name number 2171]; see *Panaphis* Kirkaldy, 1904.

***Callipterinella*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 118.

Described as genus.

Type species: *Aphis betularia* Kaltenbach, 1843; by original designation; junior synonym of *Aphis tuberculata* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Procalaphis* Quednau, 1954.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Callipterinola*** Strand, 1928

Publication reference: Archiv für Naturgeschichte, (A), 92 (8) [1926]: 47.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by original designation.

Objective status: Available but invalid — Junior objective synonym of

*Panaphis* Kirkaldy, 1904, and of *Callipterus* Koch, 1855.

***Callipteroides*** Mordvilko, 1909

Publication reference: *Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk*, 13 (4) [1908]: 377.

Described as genus.

Type species: *Aphis nigratarsis* von Heyden, 1837; by original designation; junior synonym of *Aphis punctipennis* Zetterstedt, 1828.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

***Callipterus*** Koch, 1855

Publication reference: *Pflanzenläuse Aphiden*, (7): 208.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by subsequent designation (Passerini, 1860: 29).

Objective status: Available but invalid — Junior homonym of *Callipterus* Agassiz, 1847 (Coleoptera).

Useful information about the objective status: Replaced by *Panaphis* Kirkaldy, 1904.

***Camelaphis*** Hille Ris Lambers, 1974

Publication reference: *Bolletino di Zoologia Agraria e di Bachicoltura*, (ser. 2), 11 [1972-1973]: 34.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Camelaphis) cornutus* Richards, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberculatus* Mordvilko, 1894.

***Canadaphis*** Essig, 1937

Publication reference: *Carpenter, University of Toronto Studies in Geology Series*, 40: 19.

Described as genus.

Type species: *Canadaphis carpenteri* Essig, 1937; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

***Canaphis*** Heie, 2006

Publication reference: *Insect Systematics and Evolution*, 37 [2005]: 93.

Described as genus.

Type species: *Canaphis albertensis* Heie, 2006; by original designation.



Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

***Capitophoraphis*** Blanchard (E.E.), 1944

Publication reference: Acta Zoológica Lilloana, 2: 34.

Described as genus.

Type species: *Capitophoraphis williamsoni* Blanchard (E.E.), 1944; by original designation; junior synonym of *Aphis rufomaculata* Wilson, 1908.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

***Capitophorinus*** Börner, 1931

Publication reference: Anzeiger für Schädlingkunde, 7: 129.

Described as subgenus of *Capitophorus* van der Goot, 1913.

Type species: *Capitophorus similis* van der Goot, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Capitophorus* van der Goot, 1913.

***Capitophorus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Aphis carduina* Walker, 1850; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Capitophorinus* Börner, 1931.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Capitosiphon*** Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 76.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Macrosiphum crenicornum* Smith & Knowlton, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

***Capraphis*** Mier Durante, Ortego & Nieto Nafría, 2009

Publication reference: Annales de la Société Entomologique de France, 45 (1): 94.

Described as genus.

Type species: *Capraphis blackmani* Mier Durante, Ortego & Nieto Nafría,

2009; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Caricaphis*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 128.

Described as genus.

Type species: *Chaitophorus flabellus* Sanborn, 1904; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Iziphya* Nevsky, 1929.

***Caricosipha*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 77.

Described as genus.

Type species: *Caricosipha paniculatae* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini.

***Carolinaia*** Wilson, 1911

Publication reference: Canadian Entomologist, 43: 61.

Described as genus.

Type species: *Carolinaia caricis* Wilson, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Carolinaia*, *Glabromyzus* Richards, 1960, and *Juncomyzus* Hille Ris Lambers, 1965

***Casimira*** Eastop, 1966

Publication reference: Australian Journal of Zoology, 14: 485.

Described as genus.

Type species: *Aphis canberrae* Eastop, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Castaneomyzocallis*** Quednau & Remaudière, 1987

Publication reference: Canadian Entomologist, 119: 339.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Aphis castaneae* Fitch, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Castanocallis*** Zhang (G.-x.) & Zhong, 1981

Publication reference: Zoological Research, 2 (4): 343.

Described as genus.

Type species: *Castanocallis castanocallis* Zhang (G.-x.) & Zhong, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nippocallis* Matsumura, 1917.

***Catamergus*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 141.

Described as genus.

Type species: *Nectarophora fulvae* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cataneura*** Scudder, 1890

Publication reference: United States Geological Survey of the Territories, 13: 245.

Described as genus.

Type species: *Cataneura absens* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Cavahyalopterus*** Mimeur, 1942

Publication reference: Bulletin de la Societé de Sciences Naturelles du Maroc, 21 [1941]: 67.

Described as genus.

Type species: *Cavahyalopterus graminearum* Mimeur, 1942; by original designation; junior synonym of *Brachycolus noxius* Kurdjumov, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Diuraphis* Aizenberg, 1935.

***Cavariellia*** Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10 (7-8): 810.

Described as subgenus of *Cavariella* Del Guercio, 1911.

Type species: *Cavariella hillerislammersi* Ossiannilsson, 1959; by original designation; junior synonym of *Siphocoryne aquatica* Gillette & Bragg, 1916.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini; Subgenus of *Cavariella* Del Guercio, 1911.

***Cavariellopsis*** Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10: 808.

Described as genus.

Type species: *Cavariella saxifragae* Remaudière, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

***Cavariella*** Del Guercio, 1911

Publication reference: Redia, 7: 323.

Described as genus.

Type species: *Aphis pastinacae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Cavariellopsis* Heinze, 1960, *Corynosiphon* Mordvilko, 1914, *Metaphis* Matsumura, 1918, *Neocavariella* Shinji, 1932, and *Nipposiphum* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Cavariella*, *Cavariellia* Heinze, 1960, and *Cavariellinepicauda* Ivanovskaja, 1980.

***Cavariellinepicauda*** Ivanovskaja, 1980

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 14: 84.

Described as genus.

Type species: *Cavariella longicauda* Ivanovskaja, 1978; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cavariella* Del Guercio, 1911.

***Cedoaphis*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of

Minnesota: 127.

Described as genus.

Type species: *Cedoaphis incognita* Hottes & Frison, 1931; by subsequent designation (Hottes & Frison, 1931: 438).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cedrobium*** Remaudière, 1954

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 33: 116.

Described as genus.

Type species: *Cedrobium laportei* Remaudière, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Cinara* Curtis, 1835.

***Cepgillettea*** Granovsky, 1928

Publication reference: Proceedings of the Entomological Society of Washington, 30: 114.

Described as genus.

Type species: *Cepgillettea betulaefoliae* Granovsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Cerasomyzus*** Narzikulov, 1958

Publication reference: Trudy Akademii Nauk Tadzhikskoy SSR, 89: 21.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Cerasomyzus) bozhkoae* Narzikulov, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphidura* Hille Ris Lambers, 1956.

***Cerataphis*** Lichtenstein, 1882

Publication reference: Annales de la Société Entomologique de France, (ser. 6, Bull.), 2: XVI.

Described as genus.

Type species: *Coccus lataniae* Boisduval, 1867; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Boisduvalia* Signoret, 1868.

Subjective status: Valid — Junior synonym of *Boisduvalia* Signoret, 1868 (an invalid name).

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Ceratocallis*** Qiao & Zhang (G.-x.), 1999

Publication reference: *Entomotaxonomia*, 21 (2): 111.

Described as genus.

Type species: *Ceratocallis camellis* Qiao & Zhang (G.-x.), 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Ceratoglyphina*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 235.

Described as genus.

Type species: *Ceratoglyphina bambusae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Ceratopemphiella*** Menon & Pawar, 1958

Publication reference: Proceedings of the 53rd Indian Scientific Congress, 3: : 348.

Described as genus.

Type species: *Ceratopemphiella delhieinsis* Menon & Pawar, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Ceratopemphigus*** Schouteden, 1905

Publication reference: *Spolia Zeylandica*, 2: 187.

Described as genus.

Type species: *Ceratopemphigus zehntneri* Schouteden, 1905; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Ceratovacuna* Zehntner, 1897**

Publication reference: Mededelingen van het Proefstation Oost-Java (Nieuwe Serie), 37: 29.

Described as genus.

Type species: *Ceratovacuna lanigera* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Cerciaphis* Theobald, 1920**

Publication reference: Bulletin of Entomological Research, 11: 70.

Described as genus.

Type species: *Cerciaphis bougainvilleae* Theobald, 1920; by monotypy; junior synonym of *Setaphis lutea* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schoutedenia* Rübсаamen, 1905.

***Ceriferella* Carver & Martyn, 1965**

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 34: 38.

Described as genus.

Type species: *Ceriferella leucopogonis* Carver & Martyn, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Cerosipha* Del Guercio, 1900**

Publication reference: Nuove Relazioni intorno ai lavori della Regia Stazione di Entomologia Agraria di Firenze, (ser. 1), 2: 116.

Described as genus.

Type species: *Cerosipha passeriniana* Del Guercio, 1900; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Ceruraphis* Börner, 1926**

Publication reference: Abderhalden, Handbuch der Biologischen Arbeitsmethoden, volume 9, 1, 2 (2): 226.

Described as genus.

Type species: *Aphis viburnicola* Börner 1916; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN; Junior

synonym of *Aphis eriophori* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoceruraphis* Shaposhnikov, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cervaphis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 148.

Described as genus.

Type species: *Cervaphis schouteniae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Diverosiphum* Shinji, 1922.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Ceylonia*** Buckton, 1891

Publication reference: Cotes, Indian Economical Entomology Miscellaneous Notes, 2 (1): 35.

Described as genus.

Type species: *Ceylonia theaecola* Buckton, 1891; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

***Chaetogeioica*** Remaudière & Tao, 1957

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 36: 226.

Described as genus.

Type species: *Pemphigella foliodentata* Tao, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Selibaizongia* Zhang (G.-x.), 1995.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Chaetomyzus*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1962

Publication reference: Journal of the Asiatic Society, 4: 104.

Described as genus.

Type species: *Chaetomyzus rhododendri* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.



Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Chaetophorella*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Chaitophorus lyropictus* Kessler, 1886; by original designation & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior synonym of *Chaitophorinus* Börner, 1930.

***Chaetophoria*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Chaitophorus xanthomelas* Koch, 1854; by original designation; junior synonym of *Aphis aceris* Linnaeus, 1761.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

***Chaetosiphella*** Hille Ris Lambers, 1939

Publication reference: Zoologische Mededelingen [Leiden], 22 (1-2): 84.

Described as genus.

Type species: *Sipha berleseii* Del Guercio, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini.

***Chaetosiphon*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 71.

Described as genus.

Type species: *Capitophorus chaetosiphon* Nevsky, 1928; by subsequent designation (Börner, 1930: 175).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Chaetosiphon*, *Chaitomyzus* Takahashi, 1960, and *Pentatrichopus* Börner, 1930.

***Chaitaphis*** Nevsky, 1928

Publication reference: Entomologische Mitteilungen [Berlin-Dahlem], 17 (3): 197.

Described as genus.

Type species: *Chaitaphis tenuicauda* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Chaitocallipterus*** Theobald, 1927

Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 329.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Aphididae.

***Chaitogenophorus*** Zhang (G.-x.), Qiao & Chen, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 245.

Described as genus.

Type species: *Chaitogenophorus yuzhongensis* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Chaitomyzus*** Takahashi, 1960

Publication reference: Kontyû, 28: 223.

Described as genus.

Type species: *Chaitomyzus hirticornis* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

***Chaitophoraphis*** Shinji, 1923

Publication reference: Dôbutsugaku Zasshi, 35: 307.

Described as genus.

Type species: *Chaitophoraphis acerifloris* Shinji, 1923; by monotypy; junior synonym of *Yamatocallis hirayamae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Yamatocallis* Matsumura, 1917.

***Chaitophorinella*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 112.

Described as genus.

Type species: *Phillophorus testudinatus* Thornton, 1853; by monotypy; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Junior objective synonym of *Phillophorus* Thornton, 1853.

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

***Chaitophorinus*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 126.

Described as genus.

Type species: *Chaitophorus lyropictus* Kessler, 1866; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Chaetophorella* Börner, 1940.

Subjective status: Junior synonym of *Periphyllus* van der Hoeven, 1863.

***Chaitophoroides*** Mordvilko, 1909

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 382.

Described as genus.

Type species: *Aphis lantanae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Chaitophorus*** Koch, 1854

Publication reference: Pflanzenläuse Aphiden, (1): 1.

Described as genus.

Type species: *Chaitophorus leucomelas* Koch, 1854; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 1161].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1161; name number 2108].

Replacement name for *Micrella* Essig, 1912.

Subjective status: Valid — Senior synonym of *Allarctaphis* Börner, 1949, *Arctaphis* Walker, 1870, *Dichaitophorus* Shinji, 1927, *Eichochoaitophorus* Essig, 1912, *Micrella* Essig, 1912, *Neothomasia* Baker (A.C.), 1920, *Promicrella* Börner, 1949, *Pseudomicrella* Börner, 1949, *Thomasiniellula* Strand, 1917, and *Tranaphis* Walker, 1870.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Chaitoregma*** Hille Ris Lambers & Basu (A.N.), 1966

Publication reference: Entomologische Berichten [Amsterdam], 26: 15.

Described as genus.

Type species: *Oregma tattakana* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Chakrabartiaphis*** Remaudière, 2001

Publication reference: Revue Française d'Entomologie, (N.S.), 23: 224.

Described as genus.

Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Tubicauda* Chakrabarti & Bhattacharya, 1982.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Chelymorpha*** Clarke, 1858

Publication reference: Microscope: 114.

Described as genus.

Type species: *Chelymorpha phyllophora* Clarke, 1858; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Junior homonym of *Chelymorpha* Dejean, 1835 (Coleoptera) and *Chelymorpha* Blanchard, 1845 (Coleoptera).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

***Chileaphis*** Essig, 1953

Publication reference: Proceedings of the California Academy of Science, (4), 28: 63.

Described as genus.

Type species: *Chileaphis michelbacheri* Essig, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae — Subgenus of *Neophyllaphis* Takahashi, 1920.

***Chitinosiphon*** Yuan & Xue, 1992

Publication reference: Entomotaxonomia, 14 (4): 269.

Described as genus.

Type species: *Chitinosiphon abdomenigrum* Yuan & Xue, 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Radiaphis* Pashchenko, 2000, and *Radcisiphum* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Chomaphis*** Mordvilko, 1928

Publication reference: Filip'ev [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*: 204.

Described as genus.

Type species: *Chomaphis mira* Mordvilko, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Chondrillobium*** Bozhko, 1961

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obshchestva*, 48: 19.

Described as genus.

Type species: *Chondrillobium junceae* Bozhko, 1961; by original designation; junior synonym of *Hyalopteroides blattnyi* Pintera, 1959.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Chosoniella*** Szelegiewicz, 1980

Publication reference: *Annales Zoologici* [Warszawa], 35: 424.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella myohyangsani* Szelegiewicz, 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

***Chromaphis*** Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2001.

Described as genus.

Type species: *Lachnus juglandicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Chromocallis*** Takahashi, 1961

Publication reference: Kontyû, 29: 253.

Described as genus.

Type species: *Chromaphis nirecola* Shinji, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Chuansicallis*** Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 217.

Described as genus.

Type species: *Chuansicallis chengtuensis* Tao, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sinotherioaphis* Zhang (G.-x.), 1980.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Chucallis*** Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 221.

Described as genus.

Type species: *Myzocallis bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Chusiphuncula*** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Chen, Entomologia Sinica, 5: 117.

Described as genus.

Type species: *Chusiphuncula sorbarisucta* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cinara*** Curtis, 1835

Publication reference: British Entomology, 12: No. 576.

Described as genus.

Type species: *Aphis pini* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature; Opinions 398 and 399.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 990].

Subjective status: Valid — Senior synonym of *Buchneria* Börner, 1952, *Cinarella* Hille Ris Lambers, 1948, *Cinarellia* Börner, 1952, *Cinaria* Börner, 1939, *Cinarina* Börner, 1939, *Cinaropsis* Börner, 1939, *Dinolachnus* Börner, 1940, *Indocinara* Ghosh (A.K.), Basu (R.C.) & D.N. Raychaudhuri (D.N.), 1969, *Lachniella* Del Guercio, 1909, *Laricaria* Börner, 1949, *Mecinaria* Börner, 1949, *Neochmosis* Laing, 1929, *Pityaria* Börner, 1949, *Subcinara* Börner, 1949, and *Todolachnus* Matsumura, 1917.

Taxonomic position: Aphididae Lachninae Eulachnini — With subgenera *Cinara*, *Cedrobium* Remaudière, 1954, and *Cupressobium* Börner, 1940.

***Cinarella*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as genus.

Type species: *Cinara laricicola* Börner, 1939; by original designation; junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available but invalid — Junior homonym of *Cinarella* Hille Ris Lambers, 1948.

Useful information about the objective status: Replaced by *Cinarellia* Börner, 1949 (*nomen novum*).

***Cinarella*** Hille Ris Lambers, 1948

Publication reference: Transactions of the Royal Entomological Society of London, 99: 275.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Lachnus pineus* Mordvilko, 1895; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Cinarella* Börner, 1949.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Cinarellia*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 41.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Cinara laricicola* Börner, 1939; denoted by new replacement name (Article 67.8); junior synonym of *Lachniella laricis cuneomaculata* Del Guercio, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen*

*novum*) for *Cinarella* Börner, 1949.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Cinaria*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 15.

Described as genus.

Type species: *Aphis pini* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Cinara* Curtis, 1835.

Useful information about the objective status: Name placed in the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 399; name number 415].

***Cinaria*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Aphis laricis* Walker, 1848; by original designation; junior synonym of *Lachnus laricis* Hartig, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Cinarina*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Lachnus viridescens* Cholodkovsky, 1898; by original designation; junior synonym of *Lachnus piceicola* Cholodkovsky, 1896.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Cinaropsis*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 76.

Described as genus.

Type species: *Lachnus pinicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Cladobius*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 251.

Described as genus.



Type species: *Aphis populea* Kaltenbach, 1843; by monotypy.

Objective status: Available but invalid — Junior homonym of *Cladobius* Chevrolat, 1843 (Coleoptera).

Useful information about the objective status: Replaced by *Aphioides* Passerini, 1860 (*nomen novum*).

***Clavigerus*** Szépligeti, 1883

Publication reference: Rovartani Lapokban, 1: 4, 19 footnote.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Melanoxanthus* Buckton, 1879, and *Melanoxantherium* Schouteden, 1901.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

***Clavisiphon*** Del Guercio, 1930

Publication reference: Redia, 19: 500.

Described as subgenus of *Anuraphis* Del Guercio, 1907.

Type species: *Rhopalosiphum elegans* Ferrari, 1872; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eucarazzia* Del Guercio, 1921.

***Clavosiphum*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34 (407): 790.

Described as genus.

Type species: *Clavosiphum adenocauli* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15); Junior synonym of *Rhopalosiphum tiliae* Matsumura, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

***Clethrobius*** Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 181.

Described as genus.

Type species: *Callipterus giganteus* Cholodkovsky, 1899; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Clydesmithia*** Danielsson, 1990

Publication reference: Entomologica Scandinavica, 20 [1989]: 429.

Described as genus.

Type species: *Clydesmithia canadensis* Danielsson, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Clypeoaphis*** Soliman, 1937

Publication reference: Entomologist's Monthly Magazine, 73: 181.

Described as genus.

Type species: *Clypeoaphis suaedae* Soliman, 1937; by original designation; junior synonym of *Longicaudus suaedae* Mimeur, 1934.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Codonopsimyzus*** Lee (S.H.), 2002

Publication reference: Canadian Entomologist, 134: 634.

Described as genus.

Type species: *Codonopsimyzus sasammi* Lee, 2002; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Colopha*** Monell, 1877

Publication reference: Canadian Entomologist, 9: 102.

Described as genus.

Type species: *Byrsocrypta ulmicola* Fitch, 1859; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Colophella* Börner, 1926, and *Sinocolopha* Tao, 1970.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Colophella*** Börner, 1926

Publication reference: Abderhalden, Handbuch der Biologischen Arbeitsmethoden, vol. 9, 1, 2 (2): 233.

Described as genus.

Type species: *Tetraneura graminis* Monell, 1882; by monotypy; junior synonym of *Byrsocrypta ulmicola* Fitch, 1859.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Colopha* Monell, 1877.

***Colophina*** Börner, 1931

Publication reference: Börner & Schilder, Aphidoidea [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 671.

Described as genus.

Type species: *Pemphigus clematicola* Takahashi, 1924; by monotypy; junior synonym of *Pemphigus clematis* Shinji, 1922.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Coloradoa*** Wilson, 1910

Publication reference: Annals of the Entomological Society of America, 3: 323.

Described as genus.

Type species: *Aphis rufomaculata* Wilson, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Capitophoraphis* Blanchard (E.E.), 1944, *Eurhopalosiphum* Shinji, 1942, *Lidaja* Börner, 1952, *Neaphis* Nevsky, 1929, and *Stephensonia* Das (B.), 1918.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Comaphis*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Doralis corniella* Hille Ris Lambers, 1935; by original designation; junior synonym of *Aphis salicariae* Koch, 1855.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Conicaudus*** Heie, 1972

Publication reference: Steenstrupia, 2: 255.

Described as genus.

Type species: *Conicaudus longipes* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

***Corealchnus*** Paik, 1971

Publication reference: Korean Journal of Entomology, 1: 1.

Described as genus.

Type species: *Corealchnus suwonensis* Paik, 1971; by original designation; junior synonym of *Atheroides serrulatus* Haliday, 1839.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Atheroides* Haliday, 1837.

***Cornaphis* Gillette, 1913**

Publication reference: Annals of the Entomological Society of America, 6: 491.

Described as genus.

Type species: *Cornaphis populi* Gillette, 1913; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Corylobium* Mordvilko, 1914**

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 71.

Described as genus.

Type species: *Aphis avellanae* Schrank, 1801; by subsequent designation (Mordvilko, 1928: 193).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Corynosiphon* Mordvilko, 1914**

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 73.

Described as genus.

Type species: *Aphis capreae* Fabricius, 1775; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

***Cotoneasteria* Shaposhnikov, 1964**

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 584.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dentatus microsiphon* Nevsky, 1929; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

***Cranaphis* Takahashi, 1939**

Publication reference: The Philippine Journal of Science, 69 (1): 28.

Described as genus.

Type species: *Myzocallis formosana* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Crataegaria*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 582.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Aphis crataegi* Kalténbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

***Cretacallis*** Shaposhnikov, 1979

Publication reference: *Entomologicheskoe Obozrenie*, 58: 730.

Described as genus.

Type species: *Cretacallis polysensoria* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Cretamyzus*** Heie, 1992

Publication reference: Heie & Pike, *Canadian Entomologist*, 124: 1030.

Described as genus.

Type species: *Cretamyzus pikei* Heie, 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Cretamyzidae.

***Cryptaphis*** Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 296.

Described as genus.

Type species: *Cryptaphis setiger* Hille Ris Lambers, 1947; by original designation; junior synonym of *Aphis poae* Hardy, 1850.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neodecorosiphon* Heinze, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cryptomyzus*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 139.

Described as genus.

Type species: *Aphis ribis* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzella* Börner, 1930.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Cryptomyzus*, *Alataumyzus* Kadyrbekov, 1993, *Ampullosiphon* Heikinheimo, 1955, and *Phlomimyzus* Narzikulov & Daniyarova, 1979.

***Cryptosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 95.

Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Cryptosiphum* Buckton, 1879.

***Cryptosiphum* Buckton, 1879**

Publication reference: Monograph of the British Aphides, 2: 144.

Described as genus.

Type species: *Cryptosiphum artemisiae* Buckton, 1879; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Cryptosiphon* Börner, 1932.

Subjective status: Valid — Senior synonym of *Pseudolachnus* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Crypturaphis* Silvestri, 1935**

Publication reference: Bollettino del Laboratorio di Zoologia Generale e Agraria di Portici, 28: 290.

Described as genus.

Type species: *Crypturaphis grassii* Silvestri, 1935; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

***Ctenocallis* Klodnitsky, 1924**

Publication reference: Trudy Vserossiyskogo Entomo-Fitopatologicheskogo S'ezda: 61.

Described as genus.

Type species: *Ctenocallis dobrovljanskyi* Klodnitsky, 1924; by original

designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Gentnera* Essig, 1952, and *Oniscomyzus* Börner, 1942.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Ctenopteryx*** Zhang (G.-x.) & Qiao, 2003

Publication reference: Pan-Pacific Entomologist, 79: 145.

Described as genus.

Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; by original designation.

Objective status: Available but invalid — Junior homonym of *Ctenopteryx* Flash, 1889 (Coleoptera) and *Ctenopteryx* Pfeffer, 1900 (Mollusca).

Useful information about the objective status: Replaced by *Ktenopteryx* Qiao & Zhang (G.-x.), 2003 (*nomen novum*).

***Cuernavaca*** MacVicar Baker, 1934

Publication reference: Anales del Instituto de Biología de la Universidad Nacional de México, 5: 210.

Described as genus.

Type species: *Cuernavaca mexicana* MacVicar Baker, 1934; by original designation.

Objective status: Available but invalid — Junior homonym of *Cuernavaca* Kirkaldy, 1913 (Hemiptera, Auchenorrhyncha).

Useful information about the objective status: Replaced by *Diuraphis* Aizenberg, 1935.

***Cupressobium*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 1.

Described as genus.

Type species: *Aphis juniperi* De Geer, 1773; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Cinara* Curtis, 1835.

***Cyrtomorphodon*** Zhang (G.-x.) & Qiao, 2000

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 25: 54.

Described as genus.

Type species: *Cyrtomorphodon cyrtomophitum* Qiao & Zhang (G.-x.), 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Cyrtomyzus*** Gredina, 1995

Publication reference: Far Eastern Entomologist, 14: 2.

Described as genus.

Type species: *Cyrtomyzus pedicularis* Gredina, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prunomyzus* Hille Ris Lambers & Rogerson, 1942.

***Dactynotus*** Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linnaeus, 1758.

Type species: *Aphis hieraciumpaniculatum* Rafinesque, 1818; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Sometimes used with a similar taxonomic sense to *Uroleucon* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Dasia*** Gómez-Menor, 1951

Publication reference: EOS (Revista Española de Entomología), vol. extraord. 1950: 98.

Described as genus.

Type species: *Brachyunguis carthami* Das (B.), 1918; by original designation.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles) and of *Dasia* van der Goot, 1918.

Useful information about the objective status: Replaced by *Alhambra* Gómez-Menor, 1958 (*nomen novum*).

***Dasia*** van der Goot, 1918

Publication reference: Das (B.), Memoirs of the Indian Museum: 152.

Described as genus.

Type species: *Pemphigus aedificator* Buckton, 1839; by original designation; junior synonym of *Aphis pistaciae* Linnaeus, 1767.

Objective status: Available but invalid — Junior homonym of *Dasia* Gray, 1839 (Reptiles).

Useful information about the objective status: Replaced by *Baizongia* Rondani, 1848.



***Dasyaphis*** Takahashi, 1938

Publication reference: *Tenthredo*, 2: 13.

Described as genus.

Type species: *Tuberocarpus onigurumi* Shinji, 1932; denoted by new replacement name (Article 67.8); junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Echinaphis* Mordvilko, 1929, and (*nomen novum*) for *Tuberocarpus* Shinji, 1932.

Subjective status: Valid — Senior synonym *Sinocallis* Tseng & Tao, 1938. Junior synonym of *Echinaphis* Mordvilko, 1929 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Davatchiaphis*** Remaudière, 1964

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*, 43: 63.

Described as genus.

Type species: *Davatchiaphis persicus* Remaudière, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Davidsonia*** Essig, 1912

Publication reference: *Pomona College Journal of Entomology*, 4: 827.

Described as genus.

Type species: *Fullawayia saliciradicis* Essig, 1912; by monotypy.

Objective status: Available but invalid — Junior homonym of *Davidsonia* Bouchard-Chantreaux, 1849 (Brachiopoda, extinct).

Useful information about the objective status: Replaced by *Fullawayia* Essig, 1912 (*nomen novum*).

***Davisia*** Del Guercio, 1909

Publication reference: *Redia*, 5 [1908]: 185.

Described as subgenus of *Lachnus* Burmeister, 1835.

Type species: *Aphis caryae* Harris, 1841; by subsequent designation (Eastop & Hille Ris Lambers, 1976: 171).

Objective status: Available but invalid — Junior objective synonym of *Longistigma* Wilson, 1909.

***Debilisiphon*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 226.

Described as genus.

Type species: *Debilisiphon umbelliferarum* Shaposhnikov, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Decorosiphon*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Decorosiphon corynothrix* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Defractusiphon*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 10.

Described as genus.

Type species: *Defractusiphon franzi* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Delphiniobium*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: *Rhopalosiphum aconiti* van der Goot, 1912; by monotypy; junior synonym of *Myzus junackianus* Karsch, 1887.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Dentatus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 198.

Described as genus.

Type species: *Aphis sorbi* Kaltenbach, 1843; by monotypy.

Objective status: Available but invalid — Junior homonym of *Dentatus* Gray, 1847 (Mollusca).

Useful information about the objective status: Replaced by *Pomaphis* Börner, 1939.

***Dermaphis*** Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 9.

Described as genus.

Type species: *Dermaphis japonensis* Takahashi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Desiforda*** Zhang (G.-x.), Qiao & Chen, 1999

Publication reference: Zhang (G.-x.) [Ed.], *Fauna of Agricultural and Forestry Aphids of Northwest China*: 162.

Described as genus.

Type species: *Desiforda echnochloapha* Zhang (G.-x.), Qiao & Chen, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

***Diatomyzus*** Heie, 1970

Publication reference: *Meddelelser fra Dansk Geologisk Forening*, 20: 163.

Described as genus.

Type species: *Diatomyzus eoceanicus* Heie, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Dichaitophorus*** Shinji, 1927

Publication reference: *Bulletin of the Morioka Imperial College of Agriculture and Forestry*, 11: 48.

Described as genus.

Type species: *Chaitophorus saliniger* Shinji, 1924; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Kock, 1854.

***Dielysmura*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 65.

Described as genus.

Type species: *Aphis millefolii* De Geer, 1773; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

***Dilachnus*** Baker (A.C.), 1919

Publication reference: Canadian Entomologist, 51: 253.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Dilachnus* Fairmaire, 1896 (Coleoptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Wilsonia* Baker (A.C.), 1919. Replaced by *Panimerus* Laing, 1926 (*nomen novum*).

***Dimelaphis*** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 295.

Described as genus.

Type species: *Dimelaphis obtusifalcata* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Dimeraphis*** Becker-Migdisova, 1973

Publication reference: Paleontologicheskii Zhurnal, 3: 87.

Described as subgenus of *Electrocallis* Heie, 1967.

Type species: *Electrocallis (Dimeraphis) arnoldii* Becker-Migdisova, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Electrocallis* Heie, 1967.

***Dinaphis*** Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskii Zhurnal, 3: 43.

Described as genus.

Type species: *Dinaphis multisensoriata* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Dinipponaphis*** Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 3.

Described as genus.

Type species: *Nipponaphis autumnus* Monzen, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Dinolachnus*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 1.

Described as genus.

Type species: *Lachniella cecconii* Del Guercio, 1909; by original designation; junior synonym of *Lachnus confinis* Koch, 1856.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Diphorodon*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 79.

Described as subgenus of *Phorodon* Passerini, 1860.

Type species: *Phorodon cannabis* Passerini, 1860; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paraphorodon* Tseng & Tao, 1938.

***Diphyllaphis*** Takahashi, 1960

Publication reference: Kontyû, 28 (1): 12.

Described as genus.

Type species: *Phloeomyzus konarae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae — With subgenera *Diphyllaphis* and *Nymphaphis* Takahashi, 1960.

***Diprocephilus*** Zhang (G.-x.) & Qiao, 1999

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 24: 393.

Described as genus.

Type species: *Diprocephilus allivorus* Zhang (G.-x.), Qiao & Zhao, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Distylaphis*** Noordam, 1991

Publication reference: Zoologische Verhandelingen [Leiden], 270: 154.

Described as genus.

Type species: *Schizoneuraphis foliorum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Ditrichosiphon*** Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 8.

Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.

Type species: *Eutrichosiphum elongatum* Takahashi, 1940; by original designation; junior synonym of *Paratrichosiphon nitakaensis* Takahashi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

***Diuraphis*** Aizenberg, 1935

Publication reference: Zapiski Bolchevskoy Biologicheskoy Stanzii, 7-8: 157.

Described as genus.

Type species: *Brachycolus noxius* Kurdjumov, 1913; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Cuernavaca* MacVicar Baker, 1934.

Subjective status: Valid — Senior synonym of *Cavahyalopterus* Mimeur, 1941 — Junior synonym of *Cuernavaca* MacVicar Baker, 1934 (an invalid name).

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Diuraphis* and *Holcaphis* Hille Ris Lambers, 1939.

***Diverosiphum*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 791.

Described as genus.

Type species: *Diverosiphum kunugii* Shinji, 1922; by original designation; junior synonym of *Cervaphis quercus* Takahashi, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cervaphis* van der Goot, 1917.

***Divium*** Pashchenko, 2000

Publication reference: Entomologicheskoe Obozrenie, 79 (4): 848.

Described as subgenus of *Uroleucon* Mordvilko, 1914.

Type species: *Uroleucon (Divium) ambiguum* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

***Dominicaphis* Heie & Poinar, 1999**

Publication reference: Proceedings of the Entomological Society of Washington, 101: 816.

Described as genus.

Type species: *Dominicaphis succini* Heie & Poinar, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Dongbeiaphis* Hong, 2002**

Publication reference: Amber Insect of China: 48.

Described as genus.

Type species: *Dongbeiaphis furvis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Doralida* Börner, 1950**

Publication reference: Neue Europäische Blattlausarten: 8.

Described as subgenus of *Pergandeida* Schouteden, 1903.

Type species: *Aphis loti* Kaltenbach, 1862; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Doralina* Börner, 1940**

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Aphis frangulae* Kaltenbach, 1845.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Doralis* Leach, 1826**

Publication reference: Risso, Histoire Naturelle des Principales Productions de l'Europe Méridionale, 5: 217.

Described as genus.

Type species: *Aphis dauci* Fabricius, 1775; by monotypy.

Objective status: Available but invalid — Suppressed by the International

Commission on Zoological Nomenclature [Opinion 646].

Useful information about the objective status: Name placed on the Official Index of Rejected and Invalid Generic Names in Zoology [Opinion 646; name number 1586]; Sometimes used with a similar taxonomic sense to a part of *Aphis* Linnaeus, 1758.

***Doraphis*** Matsumura & Hori, 1929

Publication reference: Hori, Sapporo Hakubutsu Gakkai Kaihō, 10 (2): 112.

Described as genus.

Type species: *Doraphis populi* Matsumura & Hori, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paracerataphis* Mordvilko, 1929.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Drepanaphis*** Del Guercio, 1909

Publication reference: Rivista di Patologia Vegetale (Pavia), (N.S.), 4 (4): 49.

Described as genus.

Type species: *Siphonophora acerifoliae* Thomas, 1878; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Phymatosiphum* Davis, 1909.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae — With subgenera *Drepanaphis* and *Shenahweum* Hottes & Frison, 1931.

***Drepaniella*** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 188.

Described as genus.

Type species: *Aphis viciae* Kaltenbach, 1843; by original designation; junior synonym of *Megoura viciae* Buckton, 1876.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Megoura* Buckton, 1876.

***Drepanochaitophorus*** Zhang (G.-x.) & Hong, 1999

Publication reference: Entomologia Sinica, 6: 128.

Described as genus.

Type species: *Drepanochaitophorus fushunensis* Zhang (G.-x.) & Hong, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.



Taxonomic position: Drepanochaitophoridae.

***Drepanosiphon*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, 3 (1): 59.

Described as genus.

Type species: *Aphis platanoidis* Schrank, 1801; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Drepanosiphum* Koch, 1855.

***Drepanosiphoniella*** Davatchi, Hille Ris Lambers & Remaudière, 1957

Publication reference: Tijdschrift voor Entomologie, 100: 125.

Described as genus.

Type species: *Drepanosiphoniella aceris* Davatchi, Hille Ris Lambers & Remaudière, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Drepanosiphum*** Koch, 1855

Publication reference: Pflanzenläuse Aphiden, (7): 201.

Described as genus.

Type species: *Aphis platanoidis* Schrank, 1801; by subsequent designation (Mordvilko, 1909: 379).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Drepanosiphon* Börner, 1931.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Dryaphis*** Kirkaldy, 1904

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Lachnus* Burmeister, 1835.

Useful information about the objective status: Replacement name (*nomen novum*) for *Dryobius* Koch, 1855.

***Dryobius* Koch, 1855**

Publication reference: Pflanzenläuse Aphiden, (7): 225.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by subsequent designation (Kirkaldy, 1905: 418).

Objective status: Available but invalid — Junior homonym of *Dryobius* Le Conte, 1850 (Coleoptera). Junior objective synonym of *Lachnus* Burmeister, 1835.

Useful information about the objective status: Replaced by *Dryaphis* Kirkaldy, 1904 (*nomen novum*).

***Dryomyzus* Hille Ris Lambers, 1948**

Publication reference: Transactions of the Royal Entomological Society of London, 99: 285.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis (Dryomyzus) glandulosus* Hille Ris Lambers, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzocallis* Passerini, 1860.

***Dryopeia* Kirkaldy, 1904**

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Endeis bella* Koch, 1857; denoted by new replacement name (Article 67.8); junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Endeis* Koch, 1857.

Subjective status: Junior synonym of *Tetraneura* Hartig, 1841.

***Durocapillata* Knowlton, 1927**

Publication reference: Annals of the Entomological Society of America, 20: 229.

Described as genus.

Type species: *Durocapillata utahensis* Knowlton, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Dysaphis* Börner, 1931**

Publication reference: Anzeiger für Schädlingkunde, 7: 9.

Described as genus.

Type species: *Aphis angelicae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Crataegaria* Shaposhnikov, 1964, *Neodysaphtis* Narzikulov, 1961, and *Umbelliferaria* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Dysaphis*, *Cotoneasteria* Shaposhnikov, 1964, and *Pomaphis* Börner, 1939.

***Dysaulacorthum* Börner, 1939**

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 82.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Aulacorthum* (*Dysaulacorthum*) *langei* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aulacorthum* Mordvilko, 1914.

***Eastopiella* Kadyrbekov, 2001**

Publication reference: Tethys Entomological Research, 3: 93.

Described as genus.

Type species: *Brachyunguis evansi* Kadyrbekov, 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Echinaphis* Cockerell, 1913**

Publication reference: Canadian Entomologist, 45: 229.

Described as genus.

Type species: *Echinaphis rohweri* Cockerell, 1913; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Echinaphis* Mordvilko, 1929.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Echinaphis* Mordvilko, 1929**

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 35.

Described as genus.

Type species: *Echinaphis ussuriensis* Mordvilko, 1929; by original designation; junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available but invalid — Junior homonym of *Echinaphis* Cockerell, 1913.

Useful information about the objective status: Replaced by *Dasyaphis* Takahashi, 1938.

***Eichinaphis*** Narzikulov, 1963

Publication reference: Trudy Pamirskoy Biologicheskoy Stantsii Akademii Nauk Tadzhikskoy SSR, 1: 259.

Described as genus.

Type species: *Eichinaphis pamirica* Narzikulov, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eichochoitophorus*** Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 715.

Described as genus.

Type species: *Eichochoitophorus populifolii* Essig, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Elatobium*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Aphis abietina* Walker, 1849; by subsequent designation (Börner & Schilder, 1930: 185).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neomyzaphis* Theobald, 1926.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Elbourzaphis*** Remaudière & Davatchi, 1959

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 38: 135.

Described as genus.

Type species: *Elbourzaphis behboudii* Remaudière & Davatchi, 1959; by original designation; junior synonym of *Rhopalosiphoninus platicaudus* Narzikulov, 1953.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amegosiphon* Narzikulov, 1958.

***Electrocallis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis* 26: 147.

Described as genus.

Type species: *Electrocallis bakeri* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Electrocornia* Heie, 1972**

Publication reference: *Steenstrupia*, 2: 249.

Described as genus.

Type species: *Electrocornia antiqua* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Electromyzus* Heie, 1972**

Publication reference: *Steenstrupia*, 2: 250.

Described as genus.

Type species: *Electromyzus acutirostris* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Endeis* Koch, 1857**

Publication reference: *Pflanzenläuse Aphiden*, (9): 312.

Described as genus.

Type species: *Endeis bella* Koch, 1857; by subsequent designation (Kirkaldy, 1904: 279); Junior synonym of *Aphis ulmi* Linnaeus, 1758.

Objective status: Available but invalid — Junior homonym of *Endeis* Philippi, 1843 (Pantopoda).

Useful information about the objective status: Replaced by *Dryopeia* Kirkaldy, 1904 (*nomen novum*).

***Eocallites* Hong, 2002**

Publication reference: *Amber Insect of China*: 65.

Described as genus.

Type species: *Eocallites mallicaudatus* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Eocylindrites*** Hong, 2002

Publication reference: Amber Insect of China: 50.

Described as genus.

Type species: *Eocylindrites curtirostrales* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Eoessigia*** David, Rajasingh & Narayanan, 1972

Publication reference: Oriental Insects, 6: 35.

Described as genus.

Type species: *Eoessigia indica* David, Rajasingh & Narayanan, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Raychaudhuriella* Chakrabarti, 1978.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Aspidophorodon* Verma, 1966.

***Eokakimia*** Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 20.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Dactynotus wahinkae* Hottes, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aconitaphis* Ivanovskaja, 1971.

***Eomacrosiphon*** Hille Ris Lambers, 1958

Publication reference: MacGillivray, Temminckia, 10 [reprint]: 24.

Described as genus.

Type species: *Macrosiphum nigromaculosum* MacDougall, 1926; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eomakrosoura*** Hong, 2002

Publication reference: Amber Insect of China: 76.

Described as genus.

Type species: *Eomakrosoura expansirostrata* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Eomyzus*** Takahashi, 1960

Publication reference: Kontyû, 28: 227.

Described as genus.

Type species: *Myzus nipponicus* Moritsu, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Micromyzodium* David, 1959.

***Eonaphis*** Essig, 1957

Publication reference: Naturaliste Malgache, 9: 287.

Described as genus.

Type species: *Eonaphis pauliani* Essig, 1957; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

***Eophloeomyzus*** Hong, 2002

Publication reference: Amber Insect of China: 45.

Described as genus.

Type species: *Eophloeomyzus longitarsus* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Eotinocallis*** Quednau, 2003

Publication reference: Memoirs of the American Entomological Institute, 72: 51.

Described as subgenus of *Tinocallis* Matsumura, 1919.

Type species: *Lachnus platani* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Tinocallis* Matsumura, 1919.

***Eotrama*** Hille Ris Lambers, 1969

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 42 (3): 181.

Described as genus.

Type species: *Eotrama moerickei* Hille Ris Lambers, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini.

***Epameibaphis*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 132.

Described as genus.

Type species: *Aphis frigidae* Oestlund, 1886; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Ephedraphis*** Hille Ris Lambers, 1959

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 32 (2-3): 279.

Described as genus.

Type species: *Anuraphis ephedrae* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Epipemphigus*** Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 204.

Described as genus.

Type species: *Pemphigus imaicus* Cholodkovsky, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sanpupemphigus* Chang, 1979.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Ericaphis*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.

Described as subgenus of *Myzaphis* van der Goot, 1913.

Type species: *Myzaphis ericae* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Boreamyzus* Shaposhnikov, 1964, *Fimbriaphis* Richards, 1959, and *Placoaphis* Richards, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Ericobium*** MacGillivray, 1958

Publication reference: Temminckia, 10 [reprint]: 9.



Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Amphorophora azaleae* Mason, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Illinoia* Wilson, 1910.

***Ericolophium* Tao, 1963**

Publication reference: Taiwan Plant Protection Bulletin, 5: 187.

Described as genus.

Type species: *Macrosiphum itoe* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Anacyrthosiphon* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, *Neoacyrthosiphon* Tao, 1963, and *Pseudoacyrthosiphon* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eriosaphis* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 99.

Described as genus.

Type species: *Eriosaphis leei* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Eriosoma* Leach, 1818**

Publication reference: Transactions of the Royal Horticultural Society of London, 3 (1): 60.

Described as genus.

Type species: *Eriosoma mali* Leach, 1818; by original designation; junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Afghanaphis* Takahashi, 1966, *Georgiaphis* Maxson & Hottes, 1926, *Mimaphidus* Rondani, 1848, *Myzoxylon* Berthold, 1827, and *Schizoneura* Hartig, 1839.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Eriosomaphis* Heie, 2006**

Publication reference: Insect Systematics and Evolution, 37 [2005]: 100.

Described as genus.

Type species: *Eriosomaphis jesperii* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Essigella*** Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale (Pavia)*, (N.S.), 3: 329.

Described as genus.

Type species: *Lachnus californicus* Essig, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — With subgenera *Essigella*, *Archeoessigella* Sorensen, 1994, and *Lambersella* Sorensen, 1994.

***Euaulax*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 67.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eucallipterus*** Schouteden, 1906

Publication reference: *Annales de la Societ  Entomologique de Belgique*, 50: 31.

Described as genus.

Type species: *Aphis tiliae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Eucarazzia*** Del Guercio, 1921

Publication reference: *Redia*, 14 [1920]: 135.

Described as genus.

Type species: *Eucarazzia picta* Del Guercio, 1921; by original designation; junior synonym of *Rhopalosiphum elegans* Ferrari, 1872.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Clavisiphon* Del Guercio, 1930.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Euceraphis*** Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2001.

Described as genus.

Type species: *Aphis punctipennis* Zetterstedt, 1828; by designation under the

plenary powers by the International Commission on Zoological Nomenclature [Opinion 640].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 640; name number 1489]. Replacement name for *Leptopteryx* Zetterstedt, 1837.

Subjective status: Valid — Senior synonym of *Callipteroides* Mordvilko, 1909, *Mimocallis* Matsumura, 1919, and *Quippelachnus* Oestlund, 1923; Junior synonym of *Leptopteryx* Zetterstedt, 1837 (an invalid name).

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Eulachnus*** Del Guercio, 1909

Publication reference: Redia, 5 [1908]: 238.

Described as genus.

Type species: *Lachnus agilis* Kaltenbach, 1843; by subsequent designation (Wilson, 1911: 54).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 748; name number 1689].

Subjective status: Valid — Senior synonym of *Protolachnus* Theobald, 1915.

Taxonomic position: Aphididae Lachninae Eulachnini.

***Eumaerosiphum*** Shinji, 1932

Publication reference: Ishii (Y.) [Ed.], Engei Shokubutsu no Byôgaityû: 245.

Described as genus.

Type species: *Eumaerosiphum viciae* Shinji, 1932; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eumyzus*** Shinji, 1929

Publication reference: Lansania, 1: 111.

Described as genus.

Type species: *Aphis impatiensae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Eunectarosiphon*** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 188.

Described as genus.

Type species: *Aphis rubi* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amphorophora* Buckton, 1876.

***Eurhopalosiphum*** Shinji, 1942

Publication reference: Konchû Sekai, 46: 98.

Described as genus.

Type species: *Eurhopalosiphum kondoi* Shinji, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

***Eurythaphis*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: *Aphis tanaceticola* Kaltenbach, 1845; by subsequent designation (Mordvilko, 1928: 191); Junior synonym of *Aphis tanacetii* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

***Euschizaphis*** Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 26: 324.

Described as subgenus of *Schizaphis* Börner, 1931.

Type species: *Aphis palustris* Theobald, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — Subgenus of *Schizaphis* Börner, 1931.

***Euthoracaphis*** Takahashi, 1938

Publication reference: Tenthredo, 2: 14.

Described as subgenus of *Thoracaphis* van der Goot, 1917.

Type species: *Thoracaphis umbellulariae* Essig, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Eutrichosiphum*** Essig & Kuwana, 1918

Publication reference: Proceedings of the California Academy of Science, 8: 97.

Described as genus.

Type species: *Trichosiphum pasaniae* Okajima, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevitrichosiphon* Raychaudhuri

(D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973, *Goodea* Shinji, 1922, *Holotrichosiphon* Raychaudhuri (D.N.), 1956, *Neopartrichosiphum* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962, *Neotrichosiphum* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973, and *Partrichosiphum* Takahashi, 1931.

Taxonomic position: Aphididae Greenideinae Greenideini. With subgenera *Eutrichosiphum*, and *Ditrichosiphon* Raychaudhuri (D.N.), 1956.

***Evallocotaphis* Zhang (G.-x.), 1998**

Publication reference: Zhang (G.-x.) & Qiao, *Entomotaxonomia*, 20 (1): 33.

Described as genus.

Type species: *Evallocotaphis lutescens* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzodium* Börner, 1950.

***Expansaphis* Hong & Wang, 1990**

Publication reference: Shandong Bureau of Geology and Mineral Resources: 77.

Described as genus.

Type species: *Expansaphis ovata* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Fagiphagus* Smith, 1974**

Publication reference: Technical Bulletin of the North Carolina Agricultural Experiment Station, 226: 14.

Described as genus.

Type species: *Eriosoma imbricator* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Grylloprociphilus* Smith & Pepper, 1968.

***Ferganaphis* Mukhamediev, 1976**

Publication reference: Eastop & Hille Ris Lambers, *Survey of the World's Aphids*: 198.

Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym and junior objective synonym of *Ferganaphis* Narzikulov & Mukhamediev, 1975.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sogdianella* Mukhamediev, 1965.

***Ferganaphis*** Narzikulov & Mukhamediev, 1975

Publication reference: Izvestiya Akademii Nauk Tadzhikskoy SSR. Otdelenie Biologicheskikh Nauk, 1: 108.

Described as genus.

Type species: *Sogdianella lonicericola* Mukhamediev, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sogdianella* Mukhamediev, 1965. Senior homonym and objective synonym of *Ferganaphis* Mukhamediev, 1976.

Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

***Ferusaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 397.

Described as genus.

Type species: *Ferusaphis xanthinae* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Fimbriaphis*** Richards, 1959

Publication reference: Canadian Entomologist, 91: 248.

Described as genus.

Type species: *Fimbriaphis fimbriata* Richards, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

***Fitchiella*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.

Described as subgenus of *Nearctaphis* Shaposhnikov, 1950.

Type species: *Aphis crataegifoliae* Fitch, 1851; by original designation.

Objective status: Available but invalid — Junior homonym of *Fitchiella* van Duzee, 1917 (Hemiptera Issidae [or Caliscelidae]).

Useful information about the objective status: Replaced by *Nearctaphis* Shaposhnikov, 1950.

***Flabellomicrosiphum*** Gillette & Palmer, 1932

Publication reference: Annals of the Entomological Society of America, 25: 472.

Described as genus.

Type species: *Chaitophorus tridentatae* Wilson, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Floraphis*** Tsai & Tang, 1946

Publication reference: Transactions of the Royal Entomological Society of London, 97: 416.

Described as genus.

Type species: *Floraphis meitanensis* Tsai & Tsang, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

***Foeniaphis*** Zhang (G.-x.) & Qiao, 1998

Publication reference: Qiao & Zhang (G.-x.), Acta Zootaxonomica Sinica, 23 (4): 268.

Described as genus.

Type species: *Foeniaphis oblongisensoria* Qiao & Zhang (G.-x.), 1998; by original designation; junior synonym of *Neochromaphis coryli* Takahashi, 1961.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neochromaphis* Takahashi, 1921.

***Forda*** von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem Gebiete der Beschreibenden Naturforschenden Gesellschaf, 2 (3): 291.

Described as genus.

Type species: *Forda formicaria* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Namaforda* Zhang (G.-x.), 1997, *Pentaphis* Horváth, 1896, and *Rhizoterus* Hartig, 1841.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Fordona*** Mordvilko, 1935

Publication reference: Ergebnisse und Fortschritte der Zoologie, 8: 141.

Described as genus.

Type species: *Fordona italica* Mordvilko, 1935; by original designation; junior synonym of *Paracletus cimiciformis* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

***Formosaphis*** Takahashi, 1925

Publication reference: Agricultural Experimental Station of the Government of

Formosa Report, 16: 52.

Described as genus.

Type species: *Formosaphis micheliae* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Fossilicallis*** Heie, 2002

Publication reference: Mainzer Naturwissenschaftliches Archiv, 40: 117.

Described as genus.

Type species: *Fossilicallis antiquus* Heie, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Francoa*** Del Guercio, 1917

Publication reference: Redia, 12 (1-2) [1916]: 197.

Described as genus.

Type species: *Francoa elegans* Del Guercio, 1916; by original designation;  
junior synonym of *Aphis rosarum* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzaphis* van der Goot, 1913.

***Fullawaya*** Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 716.

Described as genus.

Type species: *Fullawaya saliciradicis* Essig, 1912; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Davidsonia* Essig, 1912.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

***Fullawayella*** Del Guercio, 1911

Publication reference: Redia, 7: 462.

Described as genus.

Type species: *Macrosiphum kirkaldyi* Fullaway, 1910; by original designation;  
junior synonym of *Idiopterus nephrolepidis* Davis, 1909.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Idiopterus* Davis, 1909.



***Furvaphis* Hong, 2002**

Publication reference: Amber Insect of China: 43.

Described as genus.

Type species: *Furvaphis oblonga* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Fushia* Matsumura, 1917**

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 70.

Described as genus.

Type species: *Fushia rosea* Matsumura, 1917; by original designation; junior synonym of *Nurudeopsis yanoniella* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

***Fushuncallites* Hong, 2002**

Publication reference: Amber Insect of China: 58.

Described as genus.

Type species: *Fushuncallites wanghuacunensis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Galiaphis* Ossiannilsson, 1954**

Publication reference: Entomologisk Tidskrift, 75 (2-4): 123.

Described as genus.

Type species: *Galiaphis annae* Ossiannilsson, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Amphorophora* Buckton, 1876.

***Galiobium* Börner, 1933**

Publication reference: Kleine Mitteilungen über Blattläuse: 4.

Described as genus.

Type species: *Trilobaphis langei* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

***Gentnera*** Essig, 1952

Publication reference: Pan-Pacific Entomologist, 28: 215.

Described as genus.

Type species: *Gentnera oregona* Essig, 1952; by original designation; junior synonym of *Aphis setosa* Kaltenbach, 1846.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ctenocallis* Klodnitsky, 1924.

***Geoica*** Hart, 1894

Publication reference: Forbes, Report of the State Entomologist of Illinois, 18: 102.

Described as genus.

Type species: *Geoica squamosa* Hart, 1894; by monotypy; junior synonym of *Pemphigus utricularius* Passerini, 1856.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoschoutedenia* Schumacher, 1923, *Pemphigetum* Mordvilko, 1928, *Schoutedenum* Mordvilko, 1928, *Serrataphis* van der Goot, 1917, and *Trinacriella* Del Guercio, 1914.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Geoktapia*** Mordvilko, 1921

Publication reference: Bulletin of Entomological Research, 13: 30.

Described as genus.

Type species: *Geoktapia areshensis* Mordvilko, 1921; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Geopemphigus*** Hille Ris Lambers, 1933

Publication reference: Stylops, 2: 197.

Described as genus.

Type species: *Geopemphigus surinamensis* Hille Ris Lambers, 1933; by original designation; junior synonym of *Geoica floccosa* Moreira, 1925.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Xenopterygus* Smith, 1948.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Georgia*** Wilson, 1911

Publication reference: Canadian Entomologist, 43: 64.

Described as genus.

Type species: *Georgia ulmi* Wilson, 1911; by monotypy.

Objective status: Available but invalid — Junior homonym of *Georgia* Baird & Girard, 1853 (Reptiles), of *Georgia* Thomson, 1857 (Coleoptera), and of *Georgia* Bourgingorat, 1882 (Mollusca).

Useful information about the objective status: Replaced by *Georgiaphis* Maxson & Hottes, 1926 (*nomen novum*).

***Georgiaphis*** Maxson & Hottes, 1926

Publication reference: Entomological News, 37: 267.

Described as genus.

Type species: *Georgia ulmi* Wilson, 1911; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Georgia* Wilson, 1911.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

***Gerancho*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 248.

Described as genus.

Type species: *Lachnus petrorum* Scudder, 1878; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*

***Germaraphis*** Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 47.

Described as genus.

Type species: *Lachnus dryoides* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae. With subgenera *Germaraphis* and *Balticorostrum* Heie, 1967

***Gharesia*** Stroyan, 1963

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 32: 81.

Described as genus.

Type species: *Gharesia polunini* Stroyan, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Glabromyzus*** Richards, 1960

Publication reference: Canadian Entomologist, 92: 771.

Described as subgenus of *Carolinaia* Wilson, 1911.

Type species: *Rhopalosiphum rhois* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Carolinaia* Wilson, 1911.

***Glaesaricallis*** Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 31.

Described as genus.

Type species: *Glaesaricallis kulickae* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Glendenningia*** MacGillivray, 1954

Publication reference: Canadian Entomologist, 86: 346.

Described as genus.

Type species: *Glendenningia philadelphi* MacGillivray, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Globulicaudaphis*** Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 207.

Described as genus.

Type species: *Globulicaudaphis pakistanica* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Glyphina*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 259.

Described as genus.

Type species: *Vacuna betulae* Kaltenbach, 1843; by monotypy; junior synonym of *Aphis betulae* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

***Glyphinaphis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 232.

Described as genus.

Type species: *Glyphinaphis bambusae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Okajimaia* Suenaga, 1933.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Gobaishia*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 75.

Described as genus.

Type species: *Gobaisha japonica* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kaltenbachiella* Schouteden, 1906.

***Goidanichiellum*** Martelli, 1950

Publication reference: Redia, 35: 318.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis dirhoda* Walker, 1849; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Metopolophium* Mordvilko, 1914.

***Gondvanoaphis*** Wegierek & Grimaldi, 2010

Publication reference: Acta Geologica Sinica (English Edition), 84 (3): 666.

Described as genus.

Type species: *Gondvanoaphis estephani* Wegierek & Grimaldi, 2010; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae Gondvanoaphidini.

***Goodea* Shinji, 1922**

Publication reference: *Dôbutsugaku Zasshi*, 34: 731.

Described as genus.

Type species: *Goodea narafoliae* Shinji, 1922; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Gootiella* Tullgren, 1925**

Publication reference: *Meddelelser från Centralanstalt för Försöksväsendet på Jordbruksområdet*, 280: 22.

Described as genus.

Type species: *Gootiella tremulae* Tullgren, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Greenidea* Schouteden, 1905**

Publication reference: *Spolia Zeylandica*, 2: 181.

Described as genus.

Type species: *Siphonophora artocarpae* Westwood, 1890; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Metagreenidea* Liao, 1978, and *Neogreenidea* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee & Ghosh (A.K.), 1973.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Greenidea*, *Paragreenidea* Raychaudhuri (D.N.), 1956, and *Trichosiphum* Pergande, 1906.

***Greenideoida* van der Goot, 1917**

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 140.

Described as genus.

Type species: *Greenideoida elongata* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paragreenideoida* Raychaudhuri (D.N.) & Chatterjee, 1980.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Greenideoida*, *Neogreenideoida* Raychaudhuri (D.N.), 1956, and *Pentatrichosiphum* Basu (A.N.), 1969.

***Grimmenaphis*** Ansoerge, 1996

Publication reference: *Neue Paläontologische Abhandlungen*, 2: 56.

Described as genus.

Type species: *Grimmenaphis magnifica* Ansoerge, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Grylloprociphilus*** Smith & Pepper, 1968

Publication reference: *Proceedings of the Entomological Society of Washington*, 70: 57.

Described as genus.

Type species: *Grylloprociphilus frosti* Smith & Pepper, 1968; by original designation; junior synonym of *Eriosoma imbricator* Fitch, 1851.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Fagiphagus* Smith, 1974.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Gypsoaphis*** Oestlund, 1923

Publication reference: *Nineteenth Report [1922] of the State Entomologist of Minnesota*: 126.

Described as genus.

Type species: *Aphis lonicerae* Monell, 1879; by original designation; junior synonym of *Gypsoaphis oestlundi* Hottes, 1930.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Halajaphis*** Wegierek, 1996

Publication reference: *Prace Muzeum Ziemi*, 44: 34.

Described as genus.

Type species: *Halajaphis siphonosetae* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hallaphis*** Doncaster, 1956

Publication reference: *Bulletin of Entomological Research*, 47: 745.

Described as genus.

Type species: *Yamataphis rhodesiensis* Hall, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Halmodaphis*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hamadryaphis*** Kirkaldy, 1904

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Pemphigus spyrothecae* Passerini, 1860; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Kessleria* Lichtenstein, 1886.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

***Hamamelistes*** Shimer, 1867

Publication reference: Transactions of the American Entomological Society, 1: 283.

Described as genus.

Type species: *Hamamelistes spinosus* Shimer, 1867; by subsequent designation (Oestlund, 1923: 151).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Mansakia* Matsumura, 1917, and *Tetraphis* Horváth, 1896.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

***Hamiltonaphis*** Aoki, Kurosu & Fukatsu, 1993

Publication reference: Kontyû, 61 (1): 65.

Described as genus.

Type species: *Astegopteryx styraci* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.



***Hannabura*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 377.

Described as genus.

Type species: *Hannabura alnicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Hayhurstia*** Del Guercio, 1917

Publication reference: Redia, 12 (1-2) [1916]: 206.

Described as genus.

Type species: *Hayhurstia deformans* Del Guercio, 1917; by monotypy; junior synonym of *Aphis atriplicis* Linnaeus, 1761.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Hayhurstia* Mordvilko, 1921.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hayhurstia*** Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 45.

Described as genus.

Type species: *Hyalopterus dactylidis* Hayhurst, 1909; by original designation; junior synonym of *Aphis humilis* Walker, 1852.

Objective status: Available but invalid — Junior homonym of *Hayhurstia* Del Guercio, 1917.

Useful information about the objective status: Replaced by *Hyalopteroides* Theobald, 1916.

***Helosiphon*** Leclant, 1969

Publication reference: Annales de la Societé Entomologique de France, (N. S.), 5 (2): 429.

Described as genus.

Type species: *Helosiphon eryngii* Leclant, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hemiaphis*** Börner, 1926

Publication reference: Abderhalden, Handbuch der Biologischen

Arbeitsmethoden, volume 9, 1, 2 (2): 226.

Described as genus.

Type species: *Aphis trirhoda* Walker, 1849; by monotypy.

Objective status: Available but invalid — Junior objective synonym of *Longicaudus* van der Goot, 1913.

***Heminipponaphis*** Chakrabarti & Raha, 1985

Publication reference: *Annales Zoologici* [Warszawa], 39: 87.

Described as genus.

Type species: *Heminipponaphis querciphaga* Chakrabarti & Raha, 1985; by original designation; junior synonym of *Pseudothoracaphis himachalii* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudothoracaphis* Raychaudhuri (D.N.), Gosh (L.K.) & Das (S.K.), 1980.

***Hemipodaphis*** David, Narayanan & Rajasingh, 1971

Publication reference: *Oriental Insects*, 5: 559.

Described as genus.

Type species: *Hemipodaphis monstrosa* David, Narayanan & Rajasingh, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Hemitrama*** Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 63.

Described as genus.

Type species: *Hemitrama bykovi* Mordvilko, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paracletus* von Heyden, 1837.

***Henningsenia*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 86.

Described as subgenus of *Germaraphis* Heie, 1967.

Type species: *Germaraphis (Henningsenia) ungulata* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Heterocallis* Quednau, 1966**

Publication reference: Canadian Entomologist, 98 (4): 422.

Described as genus.

Type species: *Heterocallis daviaulti* Quednau, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Allaphis* Mordvilko, 1921.

***Heterogenaphis* Ivanovskaja-Shubina, 1966**

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 2: 18.

Described as genus.

Type species: *Heterogenaphis kunashyri* Ivanovskaja, 1966; by original designation; Junior synonym of *Myzus sasaki* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Heteroneura* Davis, 1919**

Publication reference: Canadian Entomologist, 51: 228.

Described as genus.

Type species: *Siphonophora setariae* Thomas, 1877; by original designation.

Objective status: Available but invalid — Junior homonym of *Heteroneura* Fallen, 1810 (Diptera), of *Heteroneura* Meigen, 1930 (Diptera) and of *Heteroneura* Crawford, 1919 (Hemiptera: Psyllidae).

Useful information about the objective status: Replaced by *Hysteroneura* Davis, 1919 (*nomen novum*).

***Hiberaphis* Börner, 1949**

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 52.

Described as genus.

Type species: *Hiberaphis iberica* Börner, 1949; by original designation; junior synonym of *Saltusaphis scirpus* Theobald, 1915.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Saltusaphis* Theobald, 1915.

***Hillerislambesia* Basu (A.N.), 1967**

Publication reference: Bulletin of Entomology, 8: 5.

Described as genus.

Type species: *Hillerislambesia darjeelingi* Basu (A.N.), 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Himalayaphis*** Ghosh (A.K.) & Verma, 1973

Publication reference: *Oriental Insects*, 7: 271.

Described as genus.

Type species: *Himalayaphis anemones* Ghosh (A.K.) & Verma, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Holcaphis*** Hille Ris Lambers, 1939

Publication reference: *Zoologische Mededelingen [Leiden]*, 22: 97.

Described as genus.

Type species: *Aphis holci* Hardy, 1850; by original designation & application of the ICZN 11.6.1.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Diuraphis* Aizenberg, 1935.

***Holmania*** Szelegiewicz, 1964

Publication reference: *Bulletin de l'Académie Polonaise des Sciences, (ser. 2, Sciences Biologiques)*, 12: 211.

Described as genus.

Type species: *Holmania chaetosiphon* Szelegiewicz, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Holotrichosiphon*** Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 75.

Described as genus.

Type species: *Holotrichosiphon heterotrichus* Raychaudhuri (D.N.), 1956; by original designation; junior synonym of *Hoplothoracaphis manipurensis* Pramanik, Samanta & Raychaudhuri (D.), 1983.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Holzneria*** Lichtenstein, 1875

Publication reference: *Bulletin de la Société Entomologique de France*, (5), 5: LXXVI.

Described as genus.

Type species: *Pemphigus poschingeri* Holzner, 1874; by monotypy; junior synonym of *Aphis bumeliae* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

***Hongocallis***, Wegierek, 2010

Publication reference: Genus, 21 (1): 11.

Described as genus.

Type species: *Sinocallis clypeolata* Hong, 2002; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Sinocallis* Hong, 2002.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Hoplocallis*** Pintera, 1952

Publication reference: Zoologické a Entomologické Listy, 1 (3): 151.

Described as genus.

Type species: *Hoplocallis rupertii* Pintera, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Hoplochaetaphis*** Aizenberg, 1959

Publication reference: Zoologicheskii Zhurnal, 38 (11): 1674.

Described as genus.

Type species: *Hoplochaitophorus zachvatkini* Aizenberg & Moravskaja, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Hoplochaitophorus*** Granovsky, 1933

Publication reference: Proceedings of the Entomological Society of Washington, 35: 32.

Described as genus.

Type species: *Chaitophorus quercicola* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Hoplothoracaphis*** Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: *Akitu*, (N.S.), 57: 1.

Described as genus.

Type species: *Hoplothoracaphis manipurensis* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Parathoracaphis* Takahashi, 1958.

***Hormaphidula*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 259.

Described as genus.

Type species: *Cerataphis betulae* Mordvilko, 1901; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hormaphis* Osten-Sacken, 1861.

***Hormaphis*** Osten-Sacken, 1861

Publication reference: *Entomologische Zeitung*, 22: 422.

Described as genus.

Type species: *Hormaphis hamamelidis* Osten-Sacken, 1861; by monotypy; junior synonym of *Hamamelistes cornus* Shimer, 1867.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hormaphidula* Börner, 1952.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

***Hottesina*** Börner, 1950

Publication reference: *Neue Europäische Blattlausarten*: 12.

Described as genus.

Type species: *Hottesina superba* Börner, 1950; by original designation; junior synonym of *Acyrtosiphon nigripes* Hille Ris Lambers, 1935.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

***Huaxiacallites*** Hong, 2002

Publication reference: *Amber Insect of China*: 60.

Described as genus.

Type species: *Huaxiacallites reptantes* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Huaxiaphis* Hong, 2002**

Publication reference: Amber Insect of China: 74.

Described as genus.

Type species: *Huaxiaphis gracilicornuta* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Hyadaphis* Kirkaldy, 1904**

Publication reference: Entomologist, 37: 279.

Described as genus.

Type species: *Aphis xylostei* Schrank, 1801; denoted by new replacement name (Article 67.8); junior synonym of *Siphocoryne foeniculi* Passerini, 1860.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphocoryne* Passerini, 1863.

Subjective status: Valid — Senior synonym of *Miraphis* Nevsky, 1928, and *Neohayhurstia* Aizenberg, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalomyzus* Richards, 1958**

Publication reference: Florida Entomologist, 41: 169.

Described as genus.

Type species: *Myzus eriobotryae* Tissot, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neohyalomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalopteroides* Theobald, 1916**

Publication reference: Entomologist, 49: 51.

Described as genus.

Type species: *Hyalopteroides pallida* Theobald, 1916; by monotypy; junior synonym of *Aphis humilis* Walker, 1852.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Hayhurstia* Mordvilko, 1921.

Subjective status: Valid — Senior synonym of *Hayhurstia* Mordvilko, 1921.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyalopterus* Koch, 1854**

Publication reference: Pflanzenläuse Aphiden, (1): 16.

Described as genus.

Type species: *Aphis pruni* Geoffroy, 1762; by subsequent designation (Passerini, 1860: 27) and validation under the plenary powers by the International Commission on Zoological Nomenclature; Opinion, 397.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 397]; name number 98].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Hydaphias* Börner, 1930**

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 136.

Described as genus.

Type species: *Aphis bicolor* Koch, 1855; by original designation; Replaced by *Hydaphias hofmanni* Börner, 1930.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hydronaphis* Shinji, 1922**

Publication reference: Dôbutsugaku Zasshi, 34: 790.

Described as genus.

Type species: *Hydronaphis impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 13).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Hyperomyzella* Hille Ris Lambers, 1949**

Publication reference: Temminckia, 8: 277.

Described as subgenus of *Hyperomyzus* Börner, 1933.

Type species: *Nectarosiphon rhinanthi* Schouteden, 1903; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.



***Hyperomyzus*** Börner, 1933

Publication reference: Kleine Mitteilungen über Blattläuse: 2.

Described as genus.

Type species: *Aphis lactucae* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Hyperomyzus*, *Hyperomyzella* Hille Ris Lambers, 1949, and *Neonasonovia* Hille Ris Lambers, 1949.

***Hysteroneura*** Davis, 1919

Publication reference: Canadian Entomologist, 51: 263.

Described as genus.

Type species: *Siphonophora setariae* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Heteroneura* Davis, 1919.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Idiopterus*** Davis, 1909

Publication reference: Annals of the Entomological Society of America, 2: 198.

Described as genus.

Type species: *Idiopterus nephrolepidis* Davis, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Fullawayella* Del Guercio, 1911.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Illinoia*** Wilson, 1910

Publication reference: Annals of the Entomological Society of America, 3: 318.

Described as genus.

Type species: *Siphonophora liriodendri* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ericobium* MacGillivray, 1958.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Illinoia*, *Amphorinophora* MacGillivray, 1958, *Masonaphis* Hille Ris Lambers, 1939, and *Oestlundia* Hille Ris Lambers, 1949.

***Impatientinum*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Impatientinum fuscum* Mordvilko, 1928; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis balsamines* Kaltenbach, 1862.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberosiphum* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Impatientinum* and *Neoimpatientinum* Agarwala, Mondal & Raychaudhuri (D.N.), 1982.

***Indiaphis*** Basu (A.N.), 1969

Publication reference: *Oriental Insects*, 3: 175.

Described as genus.

Type species: *Indiaphis crassicornis* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Indiochaitophorus*** Verma, 1969

Publication reference: *Bulletin of Entomology*, 10: 134.

Described as genus.

Type species: *Indiochaitophorus furcatus* Verma, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Indocinara*** Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969

Publication reference: *Oriental Insects*, 3: 249.

Described as genus.

Type species: *Indocinara hottesis* Ghosh (A.K.), Basu (R.C.) & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Indoidiopterus*** Chakrabarti, Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Oriental Insects*, 6: 391.

Described as genus.

Type species: *Capitophorus geranii* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neotoxoptera* Theobald, 1915.

***Indomasonaphis*** Verma, 1971

Publication reference: Bulletin of Entomology, 12: 97.

Described as genus.

Type species: *Indomasonaphis indicum* Verma, 1972; by original designation; junior synonym of *Masonaphis anaphalidis* Basu, 1964.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Indumasonaphis* Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977, and of *Neomasonaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1972.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Indomegoura*** Hille Ris Lambers, 1958

Publication reference: MacGillivray, Temminckia, 10 [reprint]: 25.

Described as genus.

Type species: *Rhopalosiphum indicum* van der Goot, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Omeimegoura* Tao, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Indomyzus*** Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971

Publication reference: Oriental Insects, 5: 328.

Described as genus.

Type species: *Indomyzus sensoriatus* Ghosh (A.K.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Indonipponaphis*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1973

Publication reference: Kontyû, 41: 158.

Described as genus.

Type species: *Indonipponaphis tuberculata* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Indoregma*** Chakrabarti & Maity, 1982

Publication reference: Proceedings of the Zoological Society [Calcutta], 33 [1980]: 59.

Described as genus.

Type species: *Indoregma bambusae* Chakrabarti & Maity, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

***Indotetraneura*** Chakrabarti & Maity, 1978

Publication reference: Entomon, 3: 269.

Described as subgenus of *Tetraneura* Hartig, 1841.

Type species: *Tetraneura javensis* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of *Tetraneura* Hartig, 1841.

***Indotuberoaphis*** Chakrabarti & Maity, 1984

Publication reference: Oriental Insects, 18: 198.

Described as genus.

Type species: *Indotuberoaphis sorbi* Chakrabarti & Maity, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Indumasonaphis*** Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: Oriental Insects, 11: 580.

Described as genus.

Type species: *Masonaphis (Neomasonaphis) inulae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomasonaphis* Verma, 1972.

***Iowana*** Hottes, 1954

Publication reference: Proceedings of the Biological Society of Washington, 67: 99.

Described as genus.

Type species: *Iowana frisoni* Hottes, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Ipuka*** van Harten & Ilharco, 1976

Publication reference: Agronomia Lusitana, 37 (1) [1975]: 16.

Described as genus.

Type species: *Aulacorthum dispersum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Iranaphias*** Remaudière & Davatchi, 1959

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*, 38: 142.

Described as genus.

Type species: *Iranaphias dehmani* Remaudière & Davatchi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Israelaphis*** Essig, 1953

Publication reference: *Pan-Pacific Entomologist*, 29 (3): 127.

Described as genus.

Type species: *Israelaphis carmini* Essig, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Israelaphidinae.

***Iziphya*** Nevsky, 1929

Publication reference: *Trudy Uzbekistanskoy Opytnoy Stancii Zashchity Rasteniy*, 16: 314.

Described as genus.

Type species: *Iziphya maculata* Nevsky, 1929; by original designation; junior synonym of *Aphis bufo* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Caricaphis* Börner, 1930.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Jacksonia*** Theobald, 1923

Publication reference: *Scottish Naturalist*, 1923: 19.

Described as genus.

Type species: *Jacksonia papillata* Theobald, 1923; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Jaxartaphis*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Judenkoa*** Hille Ris Lambers, 1953

Publication reference: Temminckia, 9: 35.

Described as subgenus of *Rhopalomyzus* Mordvilko, 1921.

Type species: *Aphis lonicerae* Siebold, 1839; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalomyzus* Mordvilko, 1921.

***Juncobia*** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.

Described as genus.

Type species: *Caricaphis leegei* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Juncomyzus*** Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 193.

Described as genus.

Type species: *Juncomyzus obscurus* Hille Ris Lambers, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Carolinaia* Wilson, 1911.

***Jurocallis*** Shaposhnikov, 1979

Publication reference: Paleontologicheskij Zhurnal, 4: 68.

Described as genus.

Type species: *Jurocallis longipes* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphidoidea *incertae sedis*.

***Kaburagia*** Takagi, 1937

Publication reference: Bulletin of the Forest Experimental Station, Seoul, 26: 20.

Described as genus.

Type species: *Kaburagia rhusicola* Takagi, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Macrorrhinarium* Tsai & Tang, 1945.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Kakimia*** Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19: 344.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus thomasi* Hottes & Frison, 1931; by original designation; junior synonym of *Nectarophora cynosbati* Oestlund, 1887.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neokakimia* Doncaster & Stroyan, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

***Kallistaphis*** Kirkaldy, 1905

Publication reference: Canadian Entomologist, 37: 417.

Described as genus.

Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neocallipterus* van der Goot, 1915.

Subjective status: Junior synonym of *Calaphis* Walsh, 1863.

***Kaltenbachiella*** Schouteden, 1906

Publication reference: Mémoires de la Société Entomologique de Belgique, 12: 194.

Described as genus.

Type species: *Kaltenbachiella menthae* Schouteden, 1906; by original designation; junior synonym of *Byrsocrypta pallida* Haliday, 1838.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Gobaisha* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Kaochiaoja*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 169.

Described as genus.

Type species: *Myzus arthroxonis* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Karamicrosiphum*** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5 (3): 236.

Described as genus.

Type species: *Karamicrosiphum humulosum* Zhang (G.-x.) & Qiao, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Kessleria*** Lichtenstein, 1886

Publication reference: Monographie des Pucerons du Peuplier: 16.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus spyrothecae* Passerini, 1860; by original designation.

Objective status: Available but invalid — Junior homonym of *Kessleria* Nowicki, 1864 (Lepidoptera) and of *Kessleria* Bogdanov, 1882 (Actinopterygii).

Useful information about the objective status: Replaced by *Hamadryaphis* Kirkaldy, 1904 (*nomen novum*).

***Khotontaphis*** Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskij Zhurnal, 3: 43.

Described as genus.

Type species: *Khotontaphis lachnoides* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Klimaszewska*** Szelegiewicz, 1979

Publication reference: Polskie Pismo Entomologiczne, 49: 567.



Described as genus.

Type species: *Klimaszewskia dracocephali* Szelegiewicz, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Krikoanoecia*** Zhang (G.-x.) & Qiao, 1996

Publication reference: Zhang (G.-x.), Qiao & Cao, *Entomotaxonomia*, 18 (4): 261.

Described as genus.

Type species: *Krikoanoecia circula* Qiao & Zhang (G.-x.), 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae.

***Ktenopteryx*** Qiao & Zhang (G.-x.), 2003

Publication reference: *Pan-Pacific Entomologist*, 79: 260.

Described as genus.

Type species: *Ctenopteryx eosocallis* Qiao & Zhang (G.-x.), 2003; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Ctenopteryx* Qiao & Zhang (G.-x.), 2003.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Kugegania*** Eastop, 1955

Publication reference: *Entomologist's Monthly Magazine*, 91: 204.

Described as subgenus of *Micromyzus* van der Goot, 1917.

Type species: *Micromyzus (Kugegania) ageni* Eastop, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Kurisakia*** Takahashi, 1924

Publication reference: *The Philippine Journal of Science*, 24: 715.

Described as genus.

Type species: *Kurisakia juglandicola* Takahashi, 1924; by original designation; junior synonym of *Anoecia onigurumii* Shinji, 1923.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tubercocarpus* Shinji, 1929.

Taxonomic position: Aphididae Thelaxinae.

***Lachnaphis*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 729.

Described as genus.

Type species: *Lachnaphis yomogi* Shinji, 1922; by monotypy; junior synonym of *Sappaphis piri* Matsumura, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappaphis* Matsumura, 1918.

***Lachnarius*** Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 98.

Described as genus.

Type species: *Lachnarius miocaenicus* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae.

***Lachniella*** Del Guercio, 1909

Publication reference: Redia, 5 [1908]: 286.

Described as genus.

Type species: *Aphis costata* Zetterstedt, 1928; by subsequent designation (Wilson, 1911: 10) & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.2 of the ICZN; Junior synonym of *Aphis costata* Zetterstedt, 1828.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Lachnochaitophorus*** Granovsky, 1933

Publication reference: Proceedings of the Entomological Society of Washington, 35: 33.

Described as genus.

Type species: *Lachnochaitophorus querceus* Granovsky, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Lachnus*** Burmeister, 1835

Publication reference: Handbuch der Entomologie, 2 (1): 91.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 399].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 399; name number 989]. Senior objective synonym of *Dryaphis* Kirkaldy, 1904, of *Dryobius* Koch, 1855, and of *Pteroclorus* Rondani, 1848.

Subjective status: Valid — Senior synonym of *Schizodryobius* van der Goot, 1913, and *Sublachnobius* Heinze, 1962.

Taxonomic position: Aphididae Lachninae Lachnini.

***Lactucobium*** Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 255.

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Acyrthosiphon scariolae* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

***Lacusaphis*** Zhang (G.-x.), 2002

Publication reference: Zhang (L.) & Zhang (G.-x.): *Acta Entomologica Sinica*, 45 (supplement): 31.

Described as subgenus of *Siphonatrophia* Swain, 1918.

Type species: *Siphonatrophia (Lacusaphis) aetherelaca* Zhang (L.) & Zhang (G.-x.), 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Siphonatrophia* Swain, 1918.

***Laingia*** Theobald, 1922

Publication reference: *Bulletin of Entomological Research*, 12: 429.

Described as genus.

Type species: *Laingia psammae* Theobald, 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Anochetium* Wood-Baker, 1943.

Taxonomic position: Aphididae Chaitophorinae Siphini.

***Lambersaphis*** Narzikulov, 1961

Publication reference: *Trudy Instituta Zoologii i Parazitologii Akademii Nauk Tadzhikskoy SSR*, 20: 85.

Described as genus.

Type species: *Neothomasia pruinosa* Narzikulov, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Lambersella*** Sorensen, 1994

Publication reference: Pan-Pacific Entomologist, 70: 29.

Described as subgenus of *Essigella* del Guercio, 1909.

Type species: *Essigella fusca* Gillette & Palmer, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini — Subgenus of *Essigella* del Guercio, 1909.

***Lambersius*** Olive, 1965

Publication reference: Annals of the Entomological Society of America, 58 (3): 284.

Described as subgenus of *Dactynotus* Rafinesque, 1818.

Type species: *Siphonophora erigeronensis* Thomas, 1878; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

***Landisaphis*** Knowlton & Ma, 1949

Publication reference: Journal of the Kansas Entomological Society, 22: 147.

Described as genus.

Type species: *Landisaphis davis* Knowlton & Ma, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Laricaria*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinaria* Börner, 1939.

Type species: *Cinaria kochiana* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Larssonaphis*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 168.

Described as genus.

Type species: *Larssonaphis obnubila* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Larvaphis*** Ossiannilsson, 1953

Publication reference: *Opuscula Entomologica*, 18: 237.

Described as subgenus of *Thripsaphis* Gillette, 1917.

Type species: *Thripsaphis brevicornis* Ossiannilsson, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Thripsaphis* Gillette, 1917.

***Latgerina*** Remaudière, 1981

Publication reference: *Annales de la Société Entomologique de France*, (N.S.), 17: 522.

Described as genus.

Type species: *Latgerina orizabaensis* Remaudière, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

***Lehrius*** Gredina, 1995

Publication reference: *Far Eastern Entomologist*, 12: 2.

Described as genus.

Type species: *Lehrius papillicaudus* Gredina, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Lepidaphis*** Kadyrbekov, Renxin & Shao, 2002

Publication reference: *Tethys Entomological Research*, 6: 16.

Described as genus.

Type species: *Xerophilaphis deformans* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Leptocallites* Hong, 2002**

Publication reference: Amber Insect of China: 70.

Described as genus.

Type species: *Leptocallites silutianensis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Leptopteryx* Zetterstedt, 1837**

Publication reference: Isis von Oken, 1837: 39.

Described as genus.

Type species: *Leptopteryx nivalis* Zetterstedt, 1837; by monotypy; junior synonym of *Aphis punctipennis* Zetterstedt, 1828.

Objective status: Available but invalid — Junior homonym of *Leptopteryx* Horsfield, 1821 (Aves).

Useful information about the objective status: Replaced by *Euceraphis* Walker, 1870.

***Leucosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 245.

Described as subgenus of *Medoralis* Börner, 1952.

Type species: *Aphis farinosa* Gmelin, 1790; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Liaoaphis* Hong, 2002**

Publication reference: Amber Insect of China: 79.

Described as genus.

Type species: *Liaoaphis furvifemoralis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Lidaja* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 252.

Described as genus.

Type species: *Hyalopterus abrotani* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

***Linaphis*** Zhang (G.-x.), 1981

Publication reference: Zhang (G.-x.) & Zhong, *Sinozoologia*, 1: 44.

Described as genus.

Type species: *Liniaphis lini* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Lineomyzocallis*** Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 29.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Aphis bella* Walsh, 1863; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Linosophon*** Börner, 1950

Publication reference: *Neue Europäische Blattlausarten*: 16.

Described as genus.

Type species: *Macrosiphum galiophagum* Wimshurst, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Liosomaphis*** Walker, 1868

Publication reference: *Zoologist*, (ser. 2), 3, app.: 1119.

Described as genus.

Type species: *Aphis berberidis* Kaltenbach, 1843; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Lipamyzodes*** Heinze, 1960

Publication reference: *Beiträge zur Entomologie* [Berlin], 10: 817.

Described as genus.

Type species: *Lipaphis matthiolae* Doncaster, 1954; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Lipaphidiella*** Doncaster, 1954

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 23 (5-6): 83.  
 Described as subgenus of *Lipaphis* Mordvilko, 1928.  
 Type species: *Myzaphis lepidii* Nevsky, 1929; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Lipaphis* Mordvilko, 1928.

***Lipaphidoidea*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.  
 Described as subgenus of *Lipaphis* Mordvilko, 1928.  
 Type species: *Lipaphis rossi* Börner, 1939; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Junior synonym of *Lipaphis* Mordvilko, 1928.

***Lipaphis*** Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 189.  
 Described as genus.  
 Type species: *Aphis erysimi* Kaltenbach, 1843; by monotypy.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid — Senior synonym of *Lipaphidoidea* Börner, 1939.  
 Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Lipaphis* and *Lipaphidiella* Doncaster, 1954.

***Liporrhinus*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 82.  
 Described as genus.  
 Type species: *Aphis chelidonii* Kaltenbach, 1843; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acyrtosiphon* Mordvilko, 1914.



***Lithaphis*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 257.

Described as genus.

Type species: *Lithaphis diruta* Scudder, 1890; by monotypy; junior synonym of *Siphonophoroides antiqua* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae

***Lithoaphis*** Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 1.

Described as genus.

Type species: *Lithoaphis shiiae* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Lizerius*** Blanchard (E.E.), 1923

Publication reference: Physis [Buenos Aires], 7: 120.

Described as genus.

Type species: *Lizerius ocoteae* Blanchard (E.E.), 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neolizerius* Blanchard (E.E.), 1939.

Taxonomic position: Aphididae Lizeriinae — With subgenera *Lizerius* and *Paralizerius* Quednau, 1974.

***Lizerocallis*** Sousa-Silva & Ilharco, 2003

Publication reference: Agronomia Lusitana, 50 (3-4) [2002]: 137.

Described as genus.

Type species: *Lizerocallis flavus* Sousa-Silva & Ilharco, 2003; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae — Subgenus of *Paoliella* Theobald, 1928.

***Loewia*** Lichtenstein, 1886

Publication reference: Monographie des Pucerons du Peuplier: 37.

Described as genus.

Type species: *Schizoneura passerinii* Signoret, 1875; by original designation.

Objective status: Available but invalid — Junior homonym of *Loewia* Egger, 1856 (Diptera).

Useful information about the objective status: Replaced by *Phloeomyzus* Horváth, 1896 (*nomen novum*).

***Longicaudinus*** Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 197.

Described as genus.

Type species: *Hyalopteroides sinensis* Tao, 1963; by original designation; junior synonym of *Pergandeida corydalisicola* Tao, 1962.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Longicaudus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 107.

Described as genus.

Type species: *Aphis trirhoda* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Hemiaphis* Börner, 1926.

Subjective status: Valid — Senior synonym of *Netubusaphis* Zhang (G.-x.), Chen, Qiao & Li, 1999, *Senisetotarsaphis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980, and *Yezosiphum* Matsumura, 1919.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Longirostrina*** Kumar & Burkhardt, 1971

Publication reference: Journal of the Kansas Entomological Society, 44 (3): 419.

Described as genus.

Type species: *Longirostris raji* Kumar & Burkhardt, 1970; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Longirostris* Kumar & Burkhardt, 1970.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Longirostris*** Kumar & Burkhardt, 1970

Publication reference: Journal of the Kansas Entomological Society, 43 (4): 458.

Described as genus.

Type species: *Longirostris raji* Kumar & Burkhardt, 1970; by original designation.

Objective status: Available but invalid — Junior homonym of *Longirostris* Cuvier, 1807 (Reptilia), and of *Longirostris* S.D.W., 1836 (Aves).

Useful information about the objective status: Replaced by *Longorostrina* Kumar & Burkhardt, 1970 (*nomen novum*).

***Longisiphoniella*** Chakrabarti, Saha & Mandal, 1988

Publication reference: Proceedings of the Zoological Society [Calcutta], 37 [1984]: 36.

Described as genus.

Type species: *Longisiphoniella subterranea* Chakrabarti, Saha & Mandal, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Longistigma*** Wilson, 1909

Publication reference: Canadian Entomologist, 41: 385.

Described as genus.

Type species: *Aphis caryae* Harris, 1841; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Davisia* Del Guercio, 1909.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Longitarsus*** Shinji, 1930

Publication reference: Reports of the Japanese Association for the Advancement of Science, 5: 189.

Described as genus.

Type species: *Trama taraxaci* Shinji, 1929; by original designation.

Objective status: Available but invalid — Junior homonym of *Longitarsus* Berthold, 1827 (Coleoptera).

Useful information about the objective status: Replaced by *Neotrampa* Baker (A.C.), 1920.

***Longiunguis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 112.

Described as genus.

Type species: *Aphis sacchari* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Loniceraphis*** Narzikulov, 1962

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 5 (5): 41.

Described as genus.

Type species: *Loniceraphis paradoxa* Narzikulov, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Loxerates*** Rafinesque, 1818

Publication reference: American Monthly Magazine and Critical Review, 3 (1): 18.

Described as subgenus of *Aphis* Linneus, 1758.

Type species: *Aphis diervillalutea* Rafinesque, 1817; by subsequent designation (Wilson, 1910: 28).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium — Aphididae.

***Lutaphis*** Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36: 346.

Described as genus.

Type species: *Lutaphis nirecola* Shinji, 1924; by original designation; junior synonym of *Myzocallis zelkowae* Takahashi, 1919.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tinocallis* Matsumura, 1919.

***Lyncuricallis*** Wegierek, 1996

Publication reference: Prace Muzeum Ziemi, 44: 29.

Described as genus.

Type species: *Lyncuricallis polonicus* Wegierek, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Macchiatiella*** Del Guercio, 1909

Publication reference: Rivista di Patologia Vegetale (Pavia), (N.S.), 4 (1): 5.

Described as genus.

Type species: *Aphis rhamni* Boyer de Fonscolombe, 1841; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Macchiatiella* Del Guercio 1917.

Subjective status: Valid — Senior synonym of *Neanuraphis* Nevsky, 1926, and *Neolachnaphis* Shinji, 1924.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Macchiatiella*** Del Guercio, 1917

Publication reference: Redia, 12: 210.

Described as genus.

Type species: *Macchiatiella trifolii* Del Guercio, 1917; by original designation; junior synonym of *Aphis pisum* Harris, 1776.

Objective status: Available but invalid — Junior homonym of *Macchiatiella* Del Guercio 1909.

Useful information about the objective status: Replaced by *Acyrtosiphon* Mordvilko, 1914.

***Machilaphis*** Takahashi, 1960

Publication reference: Kontyû, 28 (1): 11.

Described as genus.

Type species: *Phyllaphis machili* Takahashi, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Macrhynchus*** Haupt, 1913

Publication reference: Mitteilungen aus der Entomologischen Gesellschaft zu Halle, 5-7: 45.

Described as genus.

Type species: *Macrhynchus pini* Haupt, 1913; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

***Macrocaudus*** Shinji, 1930

Publication reference: Lansania, 2: 72.

Described as genus.

Type species: *Macrocaudus phaseoli* Shinji, 1930; by subsequent designation (Shinji, 1930: 78).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

***Macromyzella*** Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: *Oriental Insects*, 11: 582.

Described as genus.

Type species: *Myzus polypodicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Macromyzus*** Takahashi, 1960

Publication reference: *Kontyû*, 28: 225.

Described as genus.

Type species: *Myzus woodwardiae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macromyzus* and *Anthracosiphoniella* Basu (A.N.), 1969.

***Macropodaphis*** Remaudière & Davatchi, 1958

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*. 37: 241.

Described as genus.

Type species: *Macropodaphis rechingeri* Remaudière & Davatchi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Macropodaphidinae.

***Macrorhinarium*** Tsai & Tang, 1945

Publication reference: *Agricultural Association of China*, circular 50: 33.

Described as genus.

Type species: *Macrorhinarium ovogallis* Tsai & Tang, 1945; by original designation; junior synonym of *Kaburagia rhusicola* Takagi, 1937.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kaburagia* Takagi, 1937.

***Macrosiphon*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, 3 (1): 158.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Macrosiphum* Passerini, 1860.

***Macrosiphoniella*** Del Guercio, 1911

Publication reference: Redia, 7: 331.

Described as genus.

Type species: *Siphonophora atra* Ferrari, 1872; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Dielcysmura* Mordvilko, 1914, *Mediosiphum* Wojciechowski, 1993, *Piceaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999, and *Pyrethromyzus* Börner 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macrosiphoniella*, *Asterobium* Hille Ris Lambers, 1938, *Chosoniella* Szelegiewicz, 1980, *Papillomyzus* Szelegiewicz, 1963, *Phalangomyzus* Börner, 1939, *Ramitrichophorus* Hille Ris Lambers, 1947, and *Sinosiphoniella* Tao, 1963.

***Macrosiphum*** Del Guercio, 1900

Publication reference: Nuove Relazioni intorno ai lavori della Regia Stazione di Entomologia Agraria di Firenze, (ser. 1), 2: 159.

Described as genus.

Type species: *Aphis convolvuli* Kaltenbach, 1843; by subsequent designation (Baker (A.C.), 1920: 55); Junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available but invalid — Junior homonym of *Macrosiphum* Passerini, 1860, and of *Macrosiphum* Oestlund, 1861.

Useful information about the objective status: Replaced by *Nectarosiphon* Schouteden, 1901 (*nomen novum*).

***Macrosiphum*** Oestlund, 1886

Publication reference: Annual Report of the Minnesota State Geological and Natural History Survey 14: 27.

Described as genus.

Type species: *Macrosiphum rubicola* Oestlund, 1886; by monotypy.

Objective status: Available but invalid — Junior homonym of *Macrosiphum* Passerini, 1860.

Useful information about the objective status: Replaced by *Oestlundia* Hille Ris Lambers, 1942 (*nomen novum*).

***Macrosiphum*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27 (footnote).

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name

(Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphonophora* Koch, 1855. Senior objective synonym of *Macrosiphon* Börner, 1952, and of *Nectarophora* Oestlund, 1887.

Subjective status: Valid — Senior synonym of *Passerinia* Macchiati, 1880.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Macrosiphum*, *Neocorylobium* MacGillivray, 1968, and *Unisitobion* Takahashi, 1961.

***Macrotrichaphis*** Miyazaki, 1971

Publication reference: *Insecta Matsumurana*, 34: 28.

Described as genus.

Type species: *Macrotrichaphis yatsugataensis* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Maculodryaphis*** Gaumont, 1923

Publication reference: *Annales des Épiphyties*, 9: 340.

Described as genus.

Type species: *Aphis submacula* Walker, 1848; by subsequent monotypy (Börner, 1952: 237).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Maculolachnus* Gaumont, 1920.

***Maculolachnus*** Gaumont, 1920

Publication reference: *Bulletin de la Société Entomologique de France*, 1920: 30.

Described as genus.

Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 184.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neolachnus* Mordvilko, 1929.

Subjective status: Valid — Senior synonym of *Maculodryaphis* Gaumont, 1923

Taxonomic position: Aphididae Lachninae Lachnini.

***Malaphis*** Shaposhnikov, 1951

Publication reference: *Entomologicheskoe Obozrenie*, 31 (3-4): 517.

Described as genus.



Type species: *Malaphis magna* Shaposhnikov, 1951; by original designation; junior synonym of *Neanuraphis quaestionis* Börner, 1942.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Allocotaphis* Börner, 1950.

***Mamontova*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 589.

Described as genus.

Type species: *Mamontova vera* Shaposhnikov, 1964; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nearctaphis* Shaposhnikov, 1950.

***Mansakia*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], *A Collection of Essays for Mr. Yasushi Nawa*, 3: 59.

Described as genus.

Type species: *Mansakia miyabei* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hamamelistes* Shimer, 1867.

***Margituberculatus*** Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992

Publication reference: Chinese Academy of Sciences [Ed.], *Insects of the Hengduan Mountains Region*: 381.

Described as genus.

Type species: *Margituberculatus longituberculatus* Zhang (G.-x.), Zhong & Zhang (W.-y.), 1992; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Mariaella*** Szelegiewicz, 1961

Publication reference: *Bulletin de l'Académie Polonaise des Sciences*, (ser. 2, Sciences Biologiques), 9: 191.

Described as genus.

Type species: *Mariaella lambersi* Szelegiewicz, 1961; by original designation.

Objective status: Available but invalid — Junior homonym of *Mariaella* Gray, 1855 (Mollusca Gastropoda).

Useful information about the objective status: Replaced by *Szelegiewicziana* Özdikem & Demir, 2007 (*nomen novum*).

***Masonaphis*** Hille Ris Lambers, 1939

Publication reference: *Temminckia*, 4: 122.

Described as genus.

Type species: *Macrosiphum rhododendri* Wilson, 1918; by original designation & actuation of Nieto Nafría *et al.* (2010: 67) under the Article 70.3.1 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

***Masraphis*** Soliman, 1938

Publication reference: Egypt Ministry of Agriculture Technical Service Bulletin, 208: 4.

Described as genus.

Type species: *Masraphis phyllostachia* Soliman, 1938; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Mastopoda*** Oestlund, 1886

Publication reference: Report of the Minnesota Geological and Natural History Survey 14: 52.

Described as genus.

Type species: *Mastopoda pteridis* Oestlund, 1886; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Matsumuraja*** Schumacher, 1921

Publication reference: Zoologische Anzeiger, 53: 186.

Described as genus.

Type species: *Acanthaphis rubi* Matsumura, 1918; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Acanthaphis* Matsumura, 1918.

Subjective status: Valid — Senior synonym of *Neophorodon* Takahashi, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Mecinaria*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinaria* Börner, 1939.

Type species: *Aphis piceae* Panzer, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Mediosiphum*** Wojciechowski, 1993

Publication reference: Acta Biologica Silesiana, 22: 109.

Described as genus.

Type species: *Mediosiphon caucasicum* Wojciechowski, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

***Medoralis*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 245.

Described as genus.

Type species: *Aphis pomi* De Geer, 1773; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Megalocallis*** Takahashi, 1963

Publication reference: Kontyû, 31: 160.

Described as genus.

Type species: *Megalocallis takagii* Takahashi, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Yamatocallis* Matsumura, 1917.

***Megalomytisites*** Hong, 2002

Publication reference: Amber Insect of China: 55.

Described as genus.

Type species: *Megalomytisites longitibiales* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Megalosiphum*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis sonchi* Linnaeus, 1767; by subsequent designation (Börner & Schilder, 1930: 188) [Included species, under art. 67.2.2, by Ferrière & Vussakovich, 1928: 26].

Objective status: Available but invalid — Junior objective synonym of *Uroleucon* Mordvilko, 1914.

***Megantennaphis*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 142.

Described as genus.

Type species: *Megantennaphis hauniensis* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Megapodaphis*** Heie, 1967

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 155.

Described as genus.

Type species: *Megapodaphis monstrabilis* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Macropodaphidinae.

***Megoura*** Buckton, 1876

Publication reference: *Monograph of the British Aphides*, 1: 188.

Described as genus.

Type species: *Megoura viciae* Buckton, 1876; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Drepaniella* Del Guercio, 1914, and *Neomegouropsis* Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Megourella*** Hille Ris Lambers, 1949

Publication reference: *Temminckia*, 8: 268.

Described as genus.

Type species: *Aphis tribulis* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Megourina*** Hille Ris Lambers, 1974

Publication reference: *Tijdschrift voor Entomologie*, 117: 128.

Described as genus.

Type species: *Megourina lagacei* Hille Ris Lambers, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Megouroparsus* Smith & Heie, 1963**

Publication reference: *Annals of the Entomological Society of America*, 56: 401.

Described as genus.

Type species: *Neoamphorophora tephrosiae* Smith, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Microparsus* Patch, 1909.

***Meguroleucon* Miyazaki, 1971**

Publication reference: *Insecta Matsumurana*, 34: 37.

Described as genus.

Type species: *Meguroleucon codonopsicola* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Meitanaphis* Tsai & Tang, 1946**

Publication reference: *Transactions of the Royal Entomological Society of London*, 97: 410.

Described as genus.

Type species: *Meitanaphis elongallis* Tsai & Tang, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schlechtendalia* Lichtenstein, 1883.

***Melanaphis* van der Goot, 1917**

Publication reference: Koningsberger, *Contributions a la Faune des Indes Néerlandaises*, 1 (3): 60.

Described as genus.

Type species: *Aphis bambusae* Fullaway, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Geoktapia* Mordvilko, 1921, *Longiunguis* van der Goot, 1917, *Masraphis* Soliman, 1938, *Piraphis* Börner, 1931, *Pyraphis* Börner, 1931, *Schizaphidiella* Hille Ris Lambers, 1939, *Yezabura* Matsumura, 1917, and *Yezaphis* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Melanocallis*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 136.

Described as genus.

Type species: *Callipterus caryaefoliae* Davis, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Melanosiphum*** Shinji, 1942

Publication reference: Konchû Sekai, 46: 228.

Described as genus.

Type species: *Melanosiphum lonicericola* Shinji, 1942; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Amphicercidus* Oestlund, 1923.

***Melanoxanterium*** Schouteden, 1901

Publication reference: Annales de la Société Entomologique de Belgique, 45: 113.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Clavigerus* Szépligeti, 1883.

Useful information about the objective status: Replacement name (*nomen novum*) for *Melanoxanthus* Buckton, 1879.

***Melanoxanthus*** Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 21.

Described as genus.

Type species: *Aphis salicis* Linnaeus, 1758; by monotypy.

Objective status: Available but invalid — Junior homonym of *Melanoxanthus* Eschscholtz, 1836 (Coleoptera); Junior objective synonym of *Clavigerus* Szépligeti, 1883.

Useful information about the objective status: Replaced by *Melanoxanterium* Schouteden, 1901 (*nomen novum*).

***Melaphis*** Walsh, 1867

Publication reference: Proceedings of the Entomological Society of Philadelphia, 6: 281.

Described as genus.

Type species: *Byrsocrypta rhois* Fitch, 1866; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Truncaphis* Theobald, 1918.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Meliarhizophagus*** Smith, 1974

Publication reference: Technical Bulletin of the North Carolina Agricultural Experiment Station, 226: 17.

Described as genus.

Type species: *Pemphigus fraxinifolii* Riley, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

***Mengeaphis*** Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 113.

Described as genus.

Type species: *Lachnus glandulosus* Menge, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Meringosiphon*** Carver, 1959

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 28: 19.

Described as genus.

Type species: *Meringosiphon paradiscus* Carver, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Mesocallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 103.

Described as genus.

Type species: *Myzocallis sawashibae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neocallis* Matsumura, 1919, and *Nippochaitophorus* Takahashi, 1961.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Mesocallis* and *Paratinocallis* Higuchi, 1972.

***Mesothoracaphis*** Noordam, 1991

Publication reference: Zoologische Verhandlungen [Leiden], 270: 168.

Described as genus.

Type species: *Thoracaphis rappardi* Hille Ris Lambers & Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Mesotrichosiphum*** Calilung, 1967

Publication reference: Philippine Agriculture, 51 (2): 89.

Described as genus.

Type species: *Mesotrichosiphum uichancoi* Calilung, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini.

***Mesoviparosiphum*** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 32.

Described as genus.

Type species: *Mesoviparosiphum tuanwangense* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Metagreenidea*** Liao, 1978

Publication reference: Journal of Agricultural Research of China 27 (4): 346.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea brideliae* Takahashi, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

***Metanipponaphis*** Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 5.

Described as genus.

Type species: *Metanipponaphis rotunda* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.



Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Metaphis*** Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 1.

Described as genus.

Type species: *Metaphis angelicae* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

***Metaphorodon*** Takahashi, 1961

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 11: 1.

Described as genus.

Type species: *Phorodon ishimikawae* Shinji, 1941; by original designation; junior synonym of *Phorodon polygoni* van der Goot 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Xenomyzus* Aizenberg, 1935.

***Metathoracaphis*** Sorin, 1987

Publication reference: Akitu, (N.S.), 91: 1.

Described as genus.

Type species: *Metathoracaphis isensis* Sorin, 1987; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Metatrichosiphon*** Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 79.

Described as genus.

Type species: *Trichosiphum nigrofasciatum* Maki, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ditricosiphon* Raychaudhuri (D.N.), 1956

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Mollitrichosiphum* Suenaga, 1934.

***Metobion*** Heikinheimo, 1990

Publication reference: Entomologia Fennica, 1: 93.

Described as subgenus of *Sitobion* Mordvilko, 1914.

Type species: *Acyrtosiphon graminearum* Mordvilko, 1919; by original

designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Sitobion* Mordvilko, 1914.

***Metopeuraphis*** Narzikulov & Smailova, 1975

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 18 (11): 63.

Described as genus.

Type species: *atriplicis* Narzikulov & Smailova, 1976; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Metopeurum*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopedel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 67.

Described as genus.

Type species: *Metopeurum fuscoviride* Stroyan, 1950; by designation under the plenary powers by the International Commission on Zoological Nomenclature [Opinion 646].

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646; name number 1503].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Metopolophium*** Ghosh (L.K.), 1970

Publication reference: Bulletin of Entomology, 11: 116.

Described as subgenus of *Metopolophium* Mordvilko, 1914.

Type species: *Metopolophium (Metopolophium) darjeelingensis* Gosh (L.K.), 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neometopolophium* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Metopolophium* Mordvilko, 1914.

***Metopolophium*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopedel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 82.

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Aphis dirhoda* Walker, 1849; by subsequent designation (Mordvilko, 1919: 270).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Goidanichiellum* Martelli, 1950.

Subjective status: Valid — Senior synonym of *Goidanichiellum* Martelli, 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Metopolophium*, and *Metopolophinum* Ghosh (L.K.), 1970.

***Mexicallis*** Remaudière, 1982

Publication reference: Annales de la Société Entomologique de France (N.S.), 18 (3): 374.

Described as genus.

Type species: *Mexicallis spinifer* Remaudière, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Mexicallis* and *Anacallis* Remaudière, 1982.

***Micraphis*** Takahashi, 1931

Publication reference: Department of Agriculture Government Research Institute Formosa Report, 53: 53.

Described as genus.

Type species: *Anuraphis artemisiae* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Micrella*** Essig, 1912

Publication reference: Pomona College Journal of Entomology, 4: 716.

Described as genus.

Type species: *Micrella monelli* Essig, 1912; by original designation.

Objective status: Available but invalid — Junior homonym of *Micrella* Motschulsky, 1868 (Coleoptera), of *Micrella* Bergh, 1899 (Mollusca), and of *Micrella* Punnett, 1901 (Nemertines).

Useful information about the objective status: Replaced by *Chaitophorus* Koch, 1854.

***Microlophium*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 198.

Described as subgenus of *Acyrthosiphon* Mordvilko, 1914.

Type species: *Aphis urticae* Schrank, 1801; by original designation; junior synonym of *Siphonophora carnosa* Buckton, 1876.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Micromyzella*** Eastop, 1955

Publication reference: Entomologist's Monthly Magazine, 91: 203.

Described as subgenus of *Micromyzus* van der Goot, 1917.

Type species: *Myzus pterisoides* Theobald, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Micromyzodium*** David, 1958

Publication reference: Indian Journal of Entomology, 20: 175.

Described as genus.

Type species: *Micromyzodium filicium* David, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Eomyzus* Takahashi, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Micromyzus*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 52.

Described as genus.

Type species: *Micromyzus niger* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzopsis* Matsumura, 1918.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Microparsus*** Patch, 1909

Publication reference: Entomological News, 20: 338.

Described as genus.

Type species: *Microparsus variabilis* Patch, 1909; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Megouroparsus* Smith & Heie, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Microparsus* and *Picturaphis* Blanchard (E.E.), 1922.

***Microsiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 174.

Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Microsiphon* Del Guercio, 1907. Unjustified emendation & Junior objective synonym of *Microsiphum* Cholodkovsky, 1902.

***Microsiphon* Del Guercio, 1907**

Publication reference: Redia, 4: 191.

Described as genus.

Type species: *Aphis tormentillae* Passerini, 1879; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Microsiphon* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Microsiphoniella* Hille Ris Lambers, 1947**

Publication reference: Temminckia, 7: 186 (footnote).

Described as genus.

Type species: *Chaitophorus artemisiae* Gillette, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Microsiphum* Cholodkovsky, 1902**

Publication reference: Izvestiya S.-Peterburgskogo Lesnogo Instituta, 8 (2): 5.

Described as genus.

Type species: *Microsiphum ptarmicae* Cholodkovsky, 1902; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Microtarsus* Shinji, 1929**

Publication reference: Lansania, 1: 43.

Described as genus.

Type species: *Microtarsus pterydifoliae* Shinji, 1929; by original designation; junior synonym of *Atarsos orientalis* Mordvilko, 1929.

Objective status: Available but invalid — Junior homonym of *Microtarsus* Eyton, 1839 (Aves).

Useful information about the objective status: Replaced by *Shinjia* Takahashi, 1938 (*nomen novum*).

***Microthoracaphis*** Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 8 [1958]: 4.

Described as genus.

Type species: *Microthoracaphis elongata* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neothoracaphis* Takahashi, 1959.

***Microunguis*** Tao, 1966

Publication reference: Quarterly Journal of the Taiwan Museum, 19: 175.

Described as genus.

Type species: *Thoracaphis depressus* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Mimaphidus*** Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis ulmi* Fabricius, 1775; by original designation; junior synonym of *Schizoneura lanuginosa* Hartig, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

***Mimeuria*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, 3 (1): 259.

Described as genus.

Type species: *Neorhizobius ulmiphilus* Del Guercio, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Mimocallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 109.

Described as genus.

Type species: *Mimocallis betulijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

***Mindarella*** Heie, 1989

Publication reference: Entomologica Scandinavica, 19: 487.

Described as genus.

Type species: *Mindarella biamoensis* Heie, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Mindarinae.

***Mindarus*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 277.

Described as genus.

Type species: *Mindarus abietinus* Koch, 1857; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pterostigma* Buckton, 1883 (extinct), *Schizoneuroides* Buckton, 1883 (extinct), and *Sychnobrochus* Scudder, 1890 (extinct).

Taxonomic position: Aphididae Mindarinae.

***Mindazerius*** Heie & Poinar, 1988

Publication reference: Psyche, 95: 155.

Described as genus.

Type species: *Mindazerius dominicanus* Heie & Poinar, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Minuticornicus*** Knowlton, 1928

Publication reference: Florida Entomologist, 12: 59.

Described as genus.

Type species: *Minuticornicus gravidis* Knowlton, 1928; by original designation; junior synonym of *Cerosipha cupressi* Swain, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonatrophia* Swain, 1918.

***Miraphis*** Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Ser. VIII-a, Zoologiya), 3: 25.

Described as genus.

Type species: *Miraphis agabiformis* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

***Miraphoides*** Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 31.

Described as genus.

Type species: *Miraphoides millefolii* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Mirotarsus*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 83.

Described as subgenus of *Acyrtosiphon* Mordvilko, 1914.

Type species: *Siphonophora cyparissiae* Koch, 1855; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrtosiphon* Mordvilko, 1914.

***Misturaphis*** Robinson, 1967

Publication reference: Canadian Entomologist, 99: 565.

Described as genus.

Type species: *Misturaphis shiloensis* Robinson, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Mollitrichosiphum*** Suenaga, 1934

Publication reference: Bulletin of the Kagoshima Imperial College of Agriculture and Forestry, Dedicated to the Twenty-Fifth Anniversary, 1: 797

Described as genus.

Type species: *Greenidea tenuicarpus* Okajima, 1908; by original designation; junior synonym of *Trichosiphum tenuicarpus* Okajima, 1908.

Objective status: Available & potentially valid.



Subjective status: Valid — Senior synonym of *Neotrichosiphon* Raychaudhuri (D.N.), 1956.

Taxonomic position: Aphididae Greenideinae Greenideini — With subgenera *Mollitrichosiphum* and *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

***Monaphis*** Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 2001.

Described as genus.

Type species: *Aphis antennata* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Bradyaphis* Mordvilko, 1894.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

***Monellia*** Oestlund, 1887

Publication reference: Bulletin of the Geological and Natural History Survey of Minnesota, 4: 44.

Described as genus.

Type species: *Aphis caryella* Fitch, 1855; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Monelliopsis*** Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 89.

Described as genus.

Type species: *Callipterus caryae* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Monzenia*** Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 2.

Described as genus.

Type species: *Nipponaphis globuli* Monzen, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Mordvilkoella*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], *Opredelitel' nasekomykh evropeyskoy chasti SSSR*, 1: 569.

Described as genus.

Type species: *Hyalopterus skorkini* Mordvilko, 1929; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Mordvilkomemor*** Shaposhnikov, 1950

Publication reference: *Entomologicheskoe Obozrenie*, 31 (1-2): 225.

Described as genus.

Type species: *Dentatus pilosus* Mordvilko, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevicaudus* Shaposhnikov, 1964, *Rhodiolaphis* Ivanovskaja, 1975, *Scythaphis* Kadyrbekov, 2002, and *Thuleaphis* Hille Ris Lambers, 1960.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Mordwilkoja*** Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale (Pavia)*, (N.S.), 4 (1): 11.

Described as genus.

Type species: *Byrsocrypta vagabunda* Walsh, 1863; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Mucrotrichaphis*** Knowlton & Allen, 1940

Publication reference: *Ohio Journal of Science*, 40: 31.

Described as genus.

Type species: *Mucrotrichaphis toti* Knowlton & Allen, 1940; by original designation; junior synonym of *Macrosiphum zerothermum* Knowlton & Allen, 1938.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

***Muscaphis*** Börner, 1933

Publication reference: *Kleine Mitteilungen über Blattläuse*: 4.

Described as genus.

Type species: *Muscaphis musci* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Aspidaphium* Börner, 1939, *Toxopterella* Hille Ris Lambers, 1960, and *Sorbobium* MacGillivray & Bradley, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Mutillaphis*** Zhang (L.) & Zhang (G.-x.), 2001

Publication reference: Zoological Studies, 40 (1): 68.

Described as genus.

Type species: *Mutillaphis prunisucta* Zhang (L.) & Zhang (G.-x.), 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Myzakkaia*** Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 177.

Described as genus.

Type species: *Myzakkaia himalayensis* Basu (A.N.), 1969; by original designation; junior synonym of *Vesiculaphis verbasci* Chowdhuri, Basu (R.C.), Chakrabarti & Raychaudhuri (D.N.), 1969.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Myzaphis*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 96.

Described as genus.

Type species: *Aphis rosarum* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Francoa* Del Guercio, 1917.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Myzella*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 139.

Described as genus.

Type species: *Aphis galeopsidis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptomyzus* Oestlund, 1923.

***Myzocallidium*** Börner, 1949

Publication reference: Beiträge zur Taxonomischen Zoologie, 1: 49.

Described as genus.

Type species: *Myzocallidium riehmi* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhizoberlesia* del Guercio, 1915.

***Myzocallis*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.

Described as genus.

Type species: *Aphis coryli* Goeze, 1778; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Dryomyzus* Hille Ris Lambers, 1948.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Myzocallis*, *Agrioaphis* Walker, 1870, *Californicallis* Quednau & Remaudière, 1994, *Castaneomyzocallis* Quednau & Remaudière, 1987, *Globulicaudaphis* Hille Ris Lambers, 1966, *Lineomyzocallis* Richards, 1965, *Neodryomyzus* Quednau & Remaudière, 1994, *Neomyzocallis* Richards, 1965, *Paramyzocallis* Quednau & Remaudière, 1994, and *Pasekia* Aizenberg, 1959.

***Myzodes*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 69.

Described as genus.

Type species: *Myzodes tabaci* Mordvilko, 1914; by subsequent designation (Börner & Schilder, 1930: 139); Junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nectarosiphon* Schouteden, 1901.

***Myzodium*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 11.

Described as subgenus of *Myzodes* Mordvilko, 1914.

Type species: *Myzodes (Myzodium) rabeleri* Börner, 1950; by original designation; junior synonym of *Carolinaia modesta* Hottes, 1926.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Evallocotaphis* Zhang (G.-x.), 1998.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Myzoides*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Aphis cerasi* Fabricius, 1775; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Myzus* Passerini, 1860.

***Myzopsis*** Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 19.

Described as genus.

Type species: *Myzopsis diervillae* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Micromyzus* van der Goot, 1917.

***Myzopsis*** Pašek, 1955

Publication reference: Práce Výzkumných Ústavu Lesnických Československo Socialistická Republika, 8: 127.

Described as genus.

Type species: *Myzopsis plantaginis* Pašek, 1955; by original designation.

Objective status: Available but invalid — Junior homonym of *Myzopsis* Matsumura, 1918.

Useful information about the objective status: Replaced by *Pomaphis* Börner, 1939.

***Myzosiphum*** Tao, 1964

Publication reference: Quarterly Journal of the Taiwan Museum, 17: 229.

Described as genus.

Type species: *Myzosiphum ryukyuensis* Tao, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Myzotoxoptera*** Theobald, 1927

Publication reference: Entomologist, 60: 31.

Described as genus.

Type species: *Myzotoxoptera wimshurstae* Theobald, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Myzoxylon*** Berthold, 1827

Publication reference: Latreille's Natürliche Familien des Thierreichs: 427.

Described as genus.

Type species: *Myzoxylus mali* Blot, 1831; by subsequent designation (Nieto

Nafria *et al.*, 2009: 121); junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Myzoxylus* Blot, 1831.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

***Myzoxylus*** Blot, 1831

Publication reference: Mémoires de la Société Royale d'Agriculture et Commerce de Caen, 3: 332.

Described as genus.

Type species: *Myzoxylus mali* Blot, 1831; by monotypy; junior synonym of *Aphis lanigera* Hausmann, 1802.

Objective status: Available but invalid — Junior objective synonym of *Myzoxylon* Berthold, 1827.

***Myzus*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.

Described as genus.

Type species: *Aphis cerasi* Fabricius, 1775; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Myzoides* van der Goot, 1913.

Subjective status: Valid — Senior synonym of *Prunomyzus* Hille Ris Lambers & Rogerson, 1946, *Neomyzodes* Aizenberg, 1966, and *Spinaspidaphis* Heinze, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Myzus*, *Galiobium* Börner, 1933, *Nectarosiphon* Schouteden, 1901, and *Sciamyzus* Stroyan, 1954.

***Namaforda*** Zhang (G.-x.), 1997

Publication reference: Entomotaxonomia, 19 (3): 182.

Described as genus.

Type species: *Pemphigella marginata* Tao, 1947; by original designation; junior synonym of *Forda sichangensis* Remaudière & Tao, 1957.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

***Narziulovia*** Umarov, 1964

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 7 (9): 25.

Described as genus.

Type species: *Namiculovia dolychosiphon* Umarov, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Obtusicauda* Soliman, 1927.

***Nasonovia*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 72.

Described as genus.

Type species: *Aphis ribicola* Kaltenbach, 1843; by subsequent designation (Mordvilko, 1928: 193); Junior synonym of *Aphis ribisnigri* Mosley, 1841.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pilorostris* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980, and *Submacrocephum* Hille Ris Lambers, 1931.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Nasonovia*, *Aconitaphis* Ivanovskaja, 1971, *Capitosiphon* Heie, 1979, *Eokakimia* Heie, 1979, *Kakimia* Hottes & Frison, 1931, and *Ranakimia* Heie, 1979.

***Neanoecia*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 16.

Described as genus.

Type species: *Neanoecia krizusi* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Anoecia* Koch, 1857.

***Neanuraphis*** Nevsky, 1928

Publication reference: Entomologische Mitteilungen [Berlin-Dahlem], 17 (3): 192.

Described as genus.

Type species: *Neanuraphis tarani* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macchiatiella* Del Guercio, 1909.

***Neaphis*** Nevsky, 1929

Publication reference: Zoologische Anzeiger (Wasmann-Festband), 82: 206.

Described as genus.

Type species: *Neaphis viridis* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

***Nearctaphis*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 223.

Described as genus.

Type species: *Aphis bakeri* Cowen, 1895; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Fitchiella* Shaposhnikov, 1950.

Subjective status: Valid — Senior synonym of *Amelanchieria* Shaposhnikov, 1950, *Fitchiella* Shaposhnikov, 1950, and *Mamontova* Shaposhnikov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Nectarophora*** Oestlund, 1887

Publication reference: Bulletin of the Geological and Natural History Survey of Minnesota, 4: 78.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Macrosiphum* Passerini, 1860.

Useful information about the objective status: Replacement name (*nomen novum*) for *Siphonophora* Koch, 1855.

***Nectarosiphon*** Schouteden, 1901

Publication reference: Annales de la Societ  Entomologique de Belgique, 45: 112.

Described as genus.

Type species: *Aphis convolvuli* Kaltentbach, 1843; denoted by new replacement name (Article 67.8); junior synonym of *Aphis persicae* Sulzer, 1776.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Macrosiphum* Del Guercio, 1900.

Subjective status: Valid — Senior synonym of *Myzodes* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

***Neocaudus*** Theobald, 1927

Publication reference: The Plant Lice or Aphididae of Great Britain, 2: 326.

Described as genus.

Type species: *Acaudus bipapillatus* Theobald, 1923; by original designation; junior synonym of *Aphis helichrysi* Kaltentbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brachycaudus* van der Goot, 1913.

***Neocyrtosiphon*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 189.



Described as genus.

Type species: *Acyrtosiphon taiheisanum* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

***Neoamphorophora*** Mason, 1924

Publication reference: Proceedings of the Entomological Society of Washington, 26: 49.

Described as genus.

Type species: *Neoamphorophora kalmiae* Mason, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Testataphis* Börner, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neoantalus*** Remaudière, 1985

Publication reference: Remaudière & Autrique [Eds.], Etude FAO Production Végétal et Protection des Plantes, 64: 191.

Described as genus.

Type species: *Antalus humulariae* van Harten & Ilharco, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

***Neobacillaphis*** Huculak, 1968

Publication reference: Annales Zoologici [Warszawa], 25 (10): 425.

Described as genus.

Type species: *Neobacillaphis szelegiewiczzi* Huculak, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Thripsaphis* Gillette, 1917

***Neobetulaphis*** Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 226.

Described as genus.

Type species: *Neobetulaphis pusilla* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Neobrachycaudus*** Narzikulov, 1965

Publication reference: Entomologicheskoe Obozrenie, 44 (3): 614.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis cardui* Linnaeus, 1758; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Prunaphis* Shaposhnikov, 1964.

***Neocallipterus*** van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: 319.

Described as genus.

Type species: *Aphis betulicola* Kaltenbach, 1843; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Kallistaphis* Kirkaldy, 1905.

***Neocallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 104.

Described as genus.

Type species: *Neocallis carpinicola* Matsumura, 1919; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

***Neocavariella*** Shinji, 1932

Publication reference: Ōyō Dōbutsugaku Zasshi, 4: 122.

Described as genus.

Type species: *Cavariella araliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

***Neoceratovacuna*** Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 102.

Described as genus.

Type species: *Oregma panicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

***Neoceruraphis*** Shaposhnikov, 1956

Publication reference: Trudy Zoologicheskogo Instituta Akademii Nauk SSSR, 23: 285.

Described as genus.

Type species: *Aphis viburnicola* Gillette, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ceruraphis* Börner, 1926.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neochmosis*** Laing, 1929

Publication reference: Theobald, The Plant Lice or Aphididae of Great Britain, 3: 129 (footnote).

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Panimerus* Laing, 1926.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Neochromaphis*** Takahashi, 1921

Publication reference: Ryoichi Takahashi Chosakushû, 2:24.

Described as genus.

Type species: *Neochromaphis carpini* Takahashi, 1921; by original designation; junior synonym of *Chromaphis carpinicola* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Foeniaphis* Zhang (G.-x.) & Qiao, 1998.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Neocorylobium*** MacGillivray, 1968

Publication reference: Annals of the Entomological Society of America, 61: 341.

Described as genus.

Type species: *Macrosiphum carpinicolens* Patch, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphum* Passerini, 1860.

***Neocranaphis*** Ghosh (A.K.) & Quednau, 1990

Publication reference: Fauna of India and Adjacent Countries, Homoptera Aphidoididea, 5: 148.

Described as genus.

Type species: *Shivaphis arundinariae* Takahashi, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Neodecorosiphon*** Heinze, 1960

Publication reference: Zoologische Anzeiger, 165: 193.

Described as genus.

Type species: *Neodecorosiphon muscicolens* Heinze, 1960; by original designation; junior synonym of *Aphis poae* Hardy, 1850.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptaphis* Hille Ris Lambers, 1947.

***Neodryomyzus*** Quednau & Remaudière, 1994

Publication reference: Canadian Entomologist, 126: 312.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis polychaetus* David, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Neodysaphis*** Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 191.

Described as genus.

Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; by original designation.

Objective status: Available but invalid — Junior homonym of *Neodysaphis* Narzikulov, 1961.

Useful information about the objective status: Replaced by *Nippodysaphis* Hille Ris Lambers, 1965 (*nomen novum*).

***Neodysaphis*** Narzikulov, 1961

Publication reference: Trudy Instituta Zoologii I Parazitologii Akademii Nauk Tadzhikskoy SSR, 20: 82.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Dysaphis (Neodysaphis) pseudomolli* Narzikulov, 1961; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Neodysaphis* Hille Ris Lambers, 1965.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

***Neogreenidea*** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: *Kontyû*, 41: 62.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea (Neogreenidea) ayyari* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenidea* Schouteden, 1905.

***Neogreenideoida*** Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 7.

Described as subgenus of *Greenideoida* van der Goot, 1917.

Type species: *Greenideoida (Neogreenideoida) philippensis* Raychaudhuri (D.N.), 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenideoida* van der Goot, 1917.

***Neohayhurstia*** Aizenberg, 1956

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obschestva*, 45: 154.

Described as genus.

Type species: *Hayhurstia tataricae* Aizenberg, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyadaphis* Kirkaldy, 1904.

***Neohormaphis*** Noordam, 1991

Publication reference: *Zoologische Verhandelingen [Leiden]*, 270: 179.

Described as genus.

Type species: *Neochromaphis calva* Noordam, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Neohyalomyzus*** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1: 60.

Described as genus.

Type species: *Hyalomyzus raoi* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hyalomyzus* Richards, 1958.

***Neoimpatientinum*** Agarwala, Mondal & Raychaudhuri (D.N.), 1982

Publication reference: Entomon, 7: 37.

Described as subgenus of *Impatientinum* Mordvilko, 1914.

Type species: *Impatientinum (Neoimpatientinum) smilaceti* Agarwala, Mondla & Raychaudhuri (D.N.), 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Impatientinum* Mordvilko, 1914.

***Neokakimia*** Doncaster & Stroyan, 1952

Publication reference: Annals and Magazine of the Natural History 5: 984.

Described as subgenus of *Kakimia* Hottes & Frison, 1931.

Type species: *Kakimia (Neokakimia) saxifragae* Doncaster & Stroyan, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Kakimia* Hottes & Frison, 1931.

***Neolachnaphis*** Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36 (431): 353.

Described as genus.

Type species: *Neolachnaphis itadori* Shinji, 1924; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macchiatiella* Del Guercio, 1909.

***Neolachnus*** Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 55.

Described as genus.

Type species: *Lachnus rosae* Cholodkovsky, 1899; by original designation; junior synonym of *Aphis submacula* Walker, 1848.

Objective status: Available but invalid — Junior objective synonym of *Maculolachnus* Gaumont, 1920.

***Neolizerius*** Blanchard (E.E.), 1939

Publication reference: Physis [Buenos Aires], 17: 873.

Described as genus.

Type species: *Neolizerius tuberculatus* Blanchard (E.E.), 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lizerius* Blanchard (E.E.), 1923.

***Neomacrosiphum*** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: *Entomon*, 1 (1): 62.

Described as genus.

Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym of *Neomacrosiphum* van der Goot, 1915.

Useful information about the objective status: Replaced by *Sitobion* Mordvilko, 1914.

***Neomacrosiphum*** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980

Publication reference: Raychaudhuri [Ed.], *Aphids of North-East India and Bhutan*: 178.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Sitobion pseudoluteum* Ghosh (A.K.), 1969; by original designation.

Objective status: Available but invalid — Junior homonym of *Neomacrosiphum* van der Goot, 1915, Junior homonym & Junior objective synonym of *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

***Neomacrosiphum*** van der Goot, 1915

Publication reference: *Beiträge zur Kenntnis der Holländischen Blattläuse*: vii.

Described as genus.

Type species: *Aphis solani* Kaltenbach, 1843; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior objective synonym of *Aulacorthum* Mordvilko, 1914

***Neomasonaphis*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1972

Publication reference: *Oriental Insects*, 6: 376.

Described as subgenus of *Masonaphis* Hille Ris Lambers, 1939.

Type species: *Masonaphis anaphalidis* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomasonaphis* Verma, 1972.

***Neomegoura*** Shinji, 1930

Publication reference: *Lansania*, 2: 72.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neomegouropsis*** Ghosh (M.R.), Basu (R.C.) & Raychaudhuri (D.N.), 1977

Publication reference: *Oriental Insects*, 11 (4): 584.

Described as genus.

Type species: *Megouropsus dooarsis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Megoura* Buckton, 1876.

***Neometopolophium*** Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978

Publication reference: *Proceedings of the Zoological Society [Calcutta]*, 28 (2) [1975]: 116.

Described as subgenus of *Metopolophium* Mordvilko, 1914.

Type species: *Metopolophium (Neometopolophium) davidi* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1978; by original designation; junior synonym of *Metopolophium darjeelingense* Ghosh, (L.K.), 1970.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Metopolophium* Ghosh (L.K.), 1970.

***Neomyzaphis*** Theobald, 1926

Publication reference: *The Plant Lice or Aphididae of Great Britain*, 1: 262.

Described as genus.

Type species: *Aphis abietina* Walker, 1849; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Elatobium* Mordvilko, 1914.

***Neomyzocallis*** Richards, 1965

Publication reference: *Memoirs of the Entomological Society of Canada*, 44: 29.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Callipterus punctata* Monell, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Neomyzodes*** Aizenberg, 1966

Publication reference: *Trudy Vsesoyuznogo Entomologicheskogo Obshchestva*, 51: 148.

Described as genus.

Type species: *Myzus ornatus* Laing, 1932; by original designation.

Objective status: Available & potentially valid.



Subjective status: Junior synonym of *Myzus* Passerini, 1860.

***Neomyzus*** van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: vii.

Described as genus.

Type species: *Siphonophora circumflexa* Buckton, 1876; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, *Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980, and *Sumoia* Tao, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neonasonovia*** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 277.

Described as subgenus of *Hyperomyzus* Börner, 1933.

Type species: *Rhopalosiphum picridis* Börner, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Hyperomyzus* Börner, 1933.

***Neonippolachnus*** Shinji, 1924

Publication reference: Dôbutsugaku Zasshi, 36: 343.

Described as genus.

Type species: *Neonippolachnus betulae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Neonipponaphis*** Takahashi, 1962

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 13: 9.

Described as genus.

Type species: *Neonipponaphis shiiae* Takahashi, 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Neoparaclctus*** Strom, 1942

Publication reference: Annals of the Entomological Society of America, 35: 332.

Described as genus.

Type species: *Neoparaclctus caricis* Strom, 1942; by original designation; junior synonym of *Pemphigus corrugatans* Serrine, 1894.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

***Neopartrichosiphum*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1962

Publication reference: Journal of the Asiatic Society, 4: 107.

Described as subgenus of *Partrichosiphum* Takahashi, 1931.

Type species: *Partrichosiphum* (*Neopartrichosiphum*) *khasyanum* Ghosh (A.K.) & Raychaudhuri (D.N.), 1962; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Neopemphigus*** Mamontova & Kolomoets, 1981

Publication reference: Vestnik Zoologii, 15 (4): 37.

Described as genus.

Type species: *Neopemphigus turajevi* Mamontova & Kolomoets, 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Neophorodon*** Takahashi, 1922

Publication reference: Proceedings of the Entomological Society of Washington, 24: 204.

Described as genus.

Type species: *Neophorodon rubi* Takahashi, 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Matsumuraja* Schumacher, 1921.

***Neophyllaphis*** Takahashi, 1920

Publication reference: Canadian Entomologist, 52: 19.

Described as genus.

Type species: *Neophyllaphis podocarp*i Takahashi, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae — With subgenera *Neophyllaphis* and *Chileaphis* Essig, 1953.

***Neoprociphilus*** Patch, 1912

Publication reference: Bulletin of the Maine Agricultural Experiment Station, 202: 174.

Described as genus.

Type species: *Pemphigus attenuatus* Osborne & Serrine, 1892; by original designation; junior synonym of *Pemphigus aceris* Monell, 1882.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Neopterocomma*** Hille Ris Lambers, 1935

Publication reference: Arbeiten über Morphologische und Taxonomische Entomologie aus Berlin-Dahlem, 2: 52.

Described as genus.

Type species: *Neopterocomma asiphum* Hille Ris Lambers, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

***Neorhizobius*** Del Guercio, 1917

Publication reference: Redia, 12: 251.

Described as genus.

Type species: *Neorhizobius stramineus* Del Guercio, 1917; by subsequent designation (Börner & Schilder, 1930: 189); Junior synonym of *Tetraneura lentisci* Passerini, 1856.

Objective status: Available but invalid — Junior homonym of *Neorhizobius* Crotch, 1874 (Coleoptera).

Useful information about the objective status: Replaced by *Aploneura* Passerini, 1863.

***Neorhopalomyzus*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 181.

Described as genus.

Type species: *Amphorophora lonicericola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neorhopalosiphoninus*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1968

Publication reference: Proceedings of the Zoological Society [Calcutta], 21:

187.

Described as genus.

Type species: *Neorhopalosiphoninus smilacifoliae* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Valid name for *Myzosiphon* Hille Ris Lambers, 1945, an unavailable name.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

***Neosaltusaphis*** Hille Ris Lambers, 1961

Publication reference: Bulletin of the Research Council of Israel, (B, Zoology), 10: 97.

Described as genus.

Type species: *Neosaltusaphis bodenheimeri* Hille Ris Lambers, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

***Neosappaphis*** Hille Ris Lambers, 1959

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 32 (2-3): 283.

Described as genus.

Type species: *Neosappaphis franzi* Hille Ris Lambers, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Shaposhnikoviella* Mamontova-Solukha, 1963.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neoschoutedenia*** Schumacher, 1923

Publication reference: Deutsche Entomologische Zeitschrift, 1923 (4): 403.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Schoutedenia* Mordvilko, 1921. Senior objective synonym of *Schoutedenum* Mordvilko, 1928.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

***Neosensoriaphis*** Quednau, 1990

Publication reference: Canadian Entomologist, 122: 907.

Described as genus.

Type species: *Neosensoriaphis parva* Quednau, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae.

***Neostomaphis*** Takahashi, 1960

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 10: 2.

Described as subgenus of *Stomaphis* Walker, 1870.

Type species: *Stomaphis (Neostomaphis) fagi* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

***Neosymydobius*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 32.

Described as genus.

Type species: *Symydobius albasiphus* Davis, 1914; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Neothelaxes*** Chakrabarti & Quednau, 1996

Publication reference: Canadian Entomologist, 128: 1005.

Described as genus.

Type species: *Neothelaxes viticola* Chakrabarti & Quednau, 1996; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

***Neotherioaphis*** Behura & Dash, 1975

Publication reference: Proceedings of the 62nd Indian Scientific Congress, 3: 211.

Described as genus.

Type species: *Neotherioaphis chhenafuli* Behura & Dash, 1975; by original

designation; junior synonym of *Myzocallis kahawaluokalani* Takahashi, 1921  
Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sarucallis* Kirkaldy, 1907.

***Neothomasia*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 35.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Thomasiniellula* Strand, 1917.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910.

***Neothoracaphis*** Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 8 [1958]: 1.

Described as genus.

Type species: *Nipponaphis yanonis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Microthoracaphis* Takahashi, 1959.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Neotoxoptera*** Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 131.

Described as genus.

Type species: *Neotoxoptera violae* Theobald, 1915; by monotypy; junior synonym of *Micromyzus oliveri* Essig, 1935.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Indoidiopterus* Chakrabarti, Ghosh (A.K.) & Raychaudhuri (D.N.), 1972.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Neotrampa*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 20.

Described as genus.

Type species: *Neotrampa delguercioi* Baker (A.C.), 1920; by original designation; junior synonym of *Trama caudata* Del Guercio, 1909.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Longitarsus* Shinji, 1930.

Subjective status: Valid — Senior synonym of *Longitarsus* Shinji, 1930, and *Tactilotrama* Börner, 1952.

Taxonomic position: Aphididae Lachninae Tramini — Subgenus of *Trama* von Heyden, 1837.

***Neotrichosiphon*** Raychaudhuri (D.N.), 1956

Publication reference: Zoologische Verhandelingen [Leiden], 31: 7.

Described as subgenus of *Metatrichosiphon* Raychaudhuri (D.N.), 1956.

Type species: *Trichosiphum tenuicorpus* Okajima, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mollitrichosiphum* Suenaga, 1934.

***Neotrichosiphum*** Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973

Publication reference: Kontyû, 41: 59.

Described as subgenus of *Eutrichosiphum* Essig & Kuwana, 1918.

Type species: *Eutrichosiphum* (*Neotrichosiphum*) *subinoyi* Raychaudhuri (D.N.), Ghosh (M.R.), Banerjee (M.) & Ghosh (A.K.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Neotuberaphis*** Pal & Raychaudhuri (D.N.), 1980

Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 383.

Described as genus.

Type species: *Neotuberaphis bengalensis* Pal & Raychaudhuri (D.N.), 1980; by original designation; junior synonym of *Oregma loranthi* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

***Netubusaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 460.

Described as genus.

Type species: *Netubusaphis netuba* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

***Neuquenaphis*** Blanchard (E.E.), 1939

Publication reference: *Physis* [Buenos Aires], 17: 880.

Described as genus.

Type species: *Myzocallis edwardsi* Laing, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae — With subgenera *Neuquenaphis* and *Spicaphis* Essig, 1953.

***Nevadaphis*** Drews, 1941

Publication reference: *Pan-Pacific Entomologist*, 17: 60.

Described as genus.

Type species: *Nevadaphis sampsoni* Drews, 1941; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Nevaphis*** Heie, 2006

Publication reference: *Insect Systematics and Evolution*, 37 [2005]: 96.

Described as genus.

Type species: *Nevaphis nevadensis* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Nevskya*** Ossiannilsson, 1953

Publication reference: *Opuscula Entomologica*, 18: 233.

Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Nevskyella* Ossiannilsson, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Nevskyaphis*** Shaposhnikov, 1950

Publication reference: *Entomologicheskoe Obozrenie*, 31 (1-2): 225.

Described as genus.

Type species: *Dentatus bicolor* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.



Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Nevskyella*** Ossiannilsson, 1954

Publication reference: *Opuscula Entomologica*, 19: 54.

Described as genus.

Type species: *Nevskya fungifera* Ossiannilsson, 1953; Denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior objective synonym of *Nevskya* Ossiannilsson, 1953.

Useful information about the objective status: Replacement name (*nomen novum*) [not necessary] for *Nevskya* Ossiannilsson, 1953.

***Nietonafriella*** Ortego, 1998

Publication reference: Nieto Nafría & Dixon [Eds.]. *Aphids in Natural and Managed Ecosystems*: 392.

Described as genus.

Type species: *Nietonafriella euclypeata* Ortego, 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Nigrosiphum*** Heie, 2002

Publication reference: *Mainzer Naturwissenschaftliches Archiv*, 40: 116.

Described as genus.

Type species: *Nigrosiphum scholzae* Heie, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Nippocallis*** Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7: 365.

Described as genus.

Type species: *Nippocallis kuricola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Castanocallis* Zhang (G.-x.) & Zhong, 1981

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Nippochaitophorus*** Takahashi, 1961

Publication reference: *Kontyû*, 29: 247.

Described as genus.

Type species: *Nippochaitophorus moriokaensis* Takahashi, 1961; by original designation; junior synonym of *Myzocallis sawashibae* Matsumura, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mesocallis* Matsumura, 1919.

***Nippodysaphis*** Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 389.

Described as genus.

Type species: *Neodysaphis deutziae* Hille Ris Lambers, 1965; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Neodysaphis* Hille Ris Lambers, 1965.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Nippolachnus*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 382.

Described as genus.

Type species: *Nippolachnus piri* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Nipponaphis*** Pergande, 1906

Publication reference: Entomological News, 17: 205.

Described as genus.

Type species: *Nipponaphis distychii* Pergande, 1906; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Nipposiphum*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7 (6): 410.

Described as genus.

Type species: *Nipposiphum salicicola* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cavariella* Del Guercio, 1911.

***Nippotuberculatus*** Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 53.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Myzocallis pilosus* Takahashi, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Nishiyana*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 90.

Described as genus.

Type species: *Nishiyana aomoriensis* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Prociphilus* Koch, 1857.

***Nordaphis*** Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 593.

Described as genus.

Type species: *Nordaphis sukatchevae* Kononova, 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Mindarinae.

***Nudisiphon*** Chakrabarti & Bhattacharya, 1982

Publication reference: Annales Zoologici [Warszawa], 36: 539.

Described as genus.

Type species: *Nudisiphon chitinicauda* Chakrabarti & Bhattacharya, 1982; by original designation; junior synonym of *Xenosiphonaphis folisacculata* Kumar & Burkhardt, 1971.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Nurudea*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 65.

Described as genus.

Type species: *Nurudea ibofushi* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Floraphis* Tsai & Tang, 1946, *Fushia* Matsumura, 1917, and *Nurudeopsis* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Nurudeopsis*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 67.

Described as genus.

Type species: *Nurudeopsis shiraii* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nurudea* Matsumura, 1917.

***Nuuraphis*** Wegierek, 1991

Publication reference: Paleontologičeskii Journal, 2: 414.

Described as genus.

Type species: *Nuuraphis gemma* Wegierek, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

***Nymphaphis*** Takahashi, 1960

Publication reference: Kontyû, 28 (1): 14.

Described as genus.

Type species: *Nymphaphis quercus* Takahashi, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Aplonervoides* Zhang (G.-x.), 1992.

Taxonomic position: Aphididae Phyllaphidinae — Subgenus of *Diphylaphis* Takahashi, 1960.

***Obtusicauda*** Soliman, 1927

Publication reference: University of California Publications in Entomology, 4: 99.

Described as genus.

Type species: *Obtusicauda essigi* Soliman, 1927; by original designation; junior synonym of *Nectarophora coweni* Hunter, 1901.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Mucrotrichaphis* Knowlton & Allen, 1940, and *Narziculovia* Umarov, 1964.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Oedisiphum*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 122.

Described as genus.

Type species: *Oedisiphum compositarum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Oestlundia*** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 225.

Described as genus.

Type species: *Macrosiphum rubicola* Oestlund, 1886; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Macrosiphum* Oestlund, 1886.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Illinoia* Wilson, 1910.

***Oestlundiella*** Granovsky, 1930

Publication reference: Proceedings of the Entomological Society of Washington, 32: 63.

Described as genus.

Type species: *Euceraphis flavus* Davidson, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Okajimaia*** Suenaga, 1933

Publication reference: Kontyû, 7: 249.

Described as genus.

Type species: *Okajimaia japonica* Suenaga, 1933; by original designation; junior synonym of *Glyphinaphis bambusae* van der Goot, 1917.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Glyphinaphis* van der Goot, 1917.

***Oligocallis*** Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 133.

Described as genus.

Type species: *Oligocallis larssoni* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

***Omeimegoura*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 184.

Described as genus.

Type species: *Omeimegoura nigrotibiae* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Indomegoura* Hille Ris Lambers, 1958.

***Oniscomyzus*** Börner, 1942

Publication reference: Veröffentlichungen des Deutschen Kolonial und  
Übersee-Museums, Bremen, 3 (3): 259.

Described as genus.

Type species: *Oniscomyzus bramstedti* Börner, 1942; by original designation;  
junior synonym of *Ctenocallis dobrovljanskyi* Klodnitsky, 1924.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ctenocallis* Klodnitsky, 1924.

***Oothecabius*** Zhang (G.-x.), Zhong & Qiao, 1995

Publication reference: Entomologia Sinica, 2 (3): 213.

Described as subgenus of *Thecabius* Koch, 1857.

Type species: *Thecabius (Oothecabius) nanjingensis* Zhang (G.-x.), 1995; by  
original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of  
*Thecabius* Koch, 1857.

***Orbitaphis*** Hong, 2002

Publication reference: Amber Insect of China: 52.

Described as genus.

Type species: *Orbitaphis minor* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Oregma*** Buckton, 1893

Publication reference: Indian Museum Notes, 3 (2): 87.

Described as genus.

Type species: *Oregma bambusae* Buckton, 1893; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

***Orientinocallis*** Quednau, 2003

Publication reference: *Memoirs of the American Entomological Institute*, 72: 54.

Described as genus.

Type species: *Tinocallis distinctus* Ghosh (M.R.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —  
Subgenus of *Tinocallis* Matsumura, 1919.

***Orientuberculooides*** Hille Ris Lambers, 1974

Publication reference: *Bolletino di Zoologia Agraria e di Bachicoltura*, (ser. 2), 11 [1972-1973]: 31.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Myzocallis yokoyamai* Takahashi, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —  
Subgenus of *Tuberculatus* Mordvilko, 1894.

***Orobion*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 67.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Oryctaphis*** Scudder, 1890

Publication reference: *Report of the United States Geological Survey of the Territories*, 13: 266.

Described as genus.

Type species: *Oryctaphis lesueurii* Scudder, 1890; by subsequent designation (Heie, 1967: 205); Junior synonym of *Archilachnus pennatus* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Ossiannilssonia*** Hille Ris Lambers, 1952

Publication reference: Entomologisk Tidsskrift, 73: 41.

Described as genus.

Type species: *Ossiannilssonia oelandica* Hille Ris Lambers, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Ovatoides*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 79.

Described as genus.

Type species: *Aphis inulae* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Ovatus* van der Goot, 1913.

***Ovatomyzus*** Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 28: 306.

Described as genus.

Type species: *Ovatomyzus stachyos* Hille Ris Lambers, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Ovatophorodon*** Aizenberg, 1966

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obschestva, 51: 136.

Described as genus.

Type species: *Ovatophorodon menthae* Aizenberg, 1966; by original designation; junior synonym of *Phorodon mentharius* van der Goot, 1913.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ovatus* van der Goot, 1913.

***Ovatus*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 84.

Described as genus.

Type species: *Ovatus mespili* van der Goot, 1913; by original designation; junior synonym of *Aphis insita* Walker, 1849.



Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Ovatophorodon* Aizenberg, 1966.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Ovatus*, and *Ovatoides* Börner, 1939.

***Oviparosiphum*** Shaposhnikov, 1979

Publication reference: Paleontologicheskii Zhurnal, 4: 75.

Described as genus.

Type species: *Oviparosiphum jakovlevi* Shaposhnikov, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Pachypappa*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 269.

Described as genus.

Type species: *Pachypappa marsupialis* Koch, 1856; by subsequent designation (Wilson, 1910: 152).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Asiphum* Koch, 1856 (first reviser: Stroyan, 1975), *Pemphiglachnus* Knowlton, 1928, *Rhizomaria* Hartig, 1857, and *Sigmacallis* Zhang (G.-x.), 1981.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Pachypappella*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 71.

Described as genus.

Type species: *Pachypappa lactea* Tullgren, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Pacificallis*** Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 66.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Pacificallis) columbiae* Richards, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina —  
Subgenus of *Tuberculatus* Mordvilko, 1894.

***Paczoskia*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye  
poluzestkokrylye, 1 (1): 63.

Described as genus.

Type species: *Paczoskia paczoskii* Mordvilko, 1919; by subsequent designation  
(Mordvilko, 1919: 331).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Paducia*** Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19:  
167.

Described as genus.

Type species: *Melanoxantherium antennatum* Patch, 1913; by original  
designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterocommatinae.

***Palaeoforda*** Kononova, 1977

Publication reference: Entomologicheskoe Obozrenie, 56: 588.

Described as genus.

Type species: *Palaeoforda tajmyrensis* Kononova, 1977; by original  
designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae.

***Palaeogreenidea*** Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 95.

Described as genus.

Type species: *Palaeogreenidea rittae* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae.

***Palaeophyllaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 97.

Described as genus.

Type species: *Palaeophyllaphis longirostris* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Palaeosiphon* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 119.

Described as genus.

Type species: *Aphis hirsuta* Germar & Berendt, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Palaeosiphoninae.

***Palaeothelaxes* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 42.

Described as genus.

Type species: *Palaeothelaxes setosa* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Thelaxinae.

***Panaphis* Kirkaldy, 1904**

Publication reference: *Entomologist*, 37: 279.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on Official List of Generic Names in Zoology [Opinion 1358; name number 2293]. Replacement name (*nomen novum*) for *Ptychodes* Buckton, 1881; replacement name for *Callipterus* Koch, 1855. Senior objective synonym of *Callipterinola* Strand, 1928.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Panimerus* Laing, 1926**

Publication reference: *Entomologist*, 59: 323.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid — Junior homonym of *Panimerus* Eaton, 1913 (Diptera).

Useful information about the objective status: Replacement name (*nomen novum*) for *Dilachnus* Baker (A.C.), 1919. Replaced by *Neochmosis* Laing, 1929 (*nomen novum*).

***Paoliella*** Theobald, 1928

Publication reference: Bulletin of Entomological Research, 19: 177.

Described as genus.

Type species: *Paoliella hystrix* Theobald, 1928; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Unipterus* Hall, 1932.

Taxonomic position: Aphididae Lizeriinae — With subgenera *Paoliella* and *Lizerocallis* Sousa-Silva & Ilharco, 2003.

***Papillaphis*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft 3 (1): 459.

Described as genus.

Type species: *Doralina taraxacicola* Börner, 1940; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Tuberculaphis* Börner, 1952.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Papillomyzus*** Szelegiewicz, 1963

Publication reference: Annales Zoologici [Warszawa], 21: 54.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella (Papillomyzus) riedeli* Szelegiewicz, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

***Papulaphis*** Robinson, 1966

Publication reference: Canadian Entomologist, 98: 1256.

Described as genus.

Type species: *Macrosiphum sleesmani* Pepper, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Parabrachyunguis*** Remaudière & Davatchi, 1955

Publication reference: Revue de Pathologie Végétale et Entomologie Agricole de France, 33 [1954]: 241.

Described as subgenus of *Brachyunguis* Das (B.), 1918.

Type species: *Brachyunguis (Parabrachyunguis) kaussarii* Remaudière & Davatchi, 1955; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Brachyunguis* Das (B.), 1918.

***Paracallipterus*** Raychaudhuri (D.N.) & Ghosh (A.K.), 1964

Publication reference: Zoologische Mededelingen [Leiden], 39: 260.

Described as genus.

Type species: *Paracallipterus kalipadi* Raychaudhuri (D.N.) & Ghosh (A.K.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Taiwanaphis* Takahashi, 1934.

***Paracerataphis*** Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 34.

Described as genus.

Type species: *Paracerataphis tremulae* Mordvilko, 1929; by original designation; junior synonym of *Sphaerococcus populi* Maskell, 1898.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Doraphis* Matsumura & Hori, 1929.

***Parachaitophorus*** Takahashi, 1937

Publication reference: Konowia, 16: 90.

Described as genus.

Type species: *Patchia spiraeae* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Parachaitophorinae.

***Paracletus*** von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem

Gebiete der Beschreibenden Naturforschenden Gesellschaft, 2 (3): 294.

Described as genus.

Type species: *Paracletus cimiciformis* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hemitrama* Mordvilko, 1921, and of *Fordona* Mordvilko, 1935.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Paracolopha*** Hille Ris Lambers, 1966

Publication reference: *Hilgardia*, 37: 600.

Described as genus.

Type species: *Dryopeia morrisoni* Baker (A.C.), 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Paradoxaphis*** Sunde, 1988

Publication reference: *New Zealand Journal of Zoology*, 14 [1987]: 587.

Described as genus.

Type species: *Paradoxaphis aristoteliae* Sunde, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Paragreenidea*** Raychaudhuri (D.N.), 1956

Publication reference: *Zoologische Verhandelingen [Leiden]*, 31: 8.

Described as subgenus of *Greenidea* Schouteden, 1905.

Type species: *Greenidea viticola* Takahashi, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

***Paragreenideoida*** Raychaudhuri (D.N.) & Chatterjee, 1980

Publication reference: Raychaudhuri [Ed.], *Aphids of North-East India and Bhutan*: 350.

Described as subgenus of *Greenideoida* van der Goot, 1917.

Type species: *Greenideoida ceyloniae* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Greenideoida* van der Goot, 1917.

***Paralizerius* Quednau, 1974**

Publication reference: Canadian Entomologist, 106: 48.

Described as subgenus of *Lizerius* Blanchard (E.E.), 1923.

Type species: *Lizerius (Paralizerius) cermelii* Quednau, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae — Subgenus of *Lizerius* Blanchard (E.E.), 1923.

***Paramyzocallis* Quednau & Remaudière, 1994**

Publication reference: Canadian Entomologist, 126: 315.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Myzocallis tenochca* Quednau & Remaudière, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Paramyzus* Börner, 1933**

Publication reference: Kleine Mitteilungen über Blattläuse: 4.

Described as genus.

Type species: *Paramyzus heraclei* Börner, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976**

Publication reference: Entomon, 1 (1): 62.

Described as subgenus of *Neomyzus* van der Goot, 1915.

Type species: *Aulacorthum (Neomyzus) dicentrae* Basu (A.N.), 1967; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Subjective status: Junior synonym of *Neomyzus* van der Goot, 1915.

***Paraneomyzus* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980**

Publication reference: Raychaudhuri [Ed.], Aphids of North-East India and Bhutan: 228.

Described as subgenus of *Neomyzus* van der Goot, 1915.

Type species: *Aulacorthum dicentrae* Basu (A.N.), 1967; by original designation.

Objective status: Available but invalid — Junior homonym & Junior objective synonym of *Paraneomyzus* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976.

***Paranipponaphis*** Takahashi, 1959

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 9: 3.

Described as genus.

Type species: *Paranipponaphis takaoensis* Takahashi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Paranoecia*** Zwölfer, 1957

Publication reference: Zeitschrift für Angewandte Entomologie, 40: 198.

Described as genus.

Type species: *Anoecia pskovica* Mordvilko, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Anoeciinae — Subgenus of *Anoecia* Koch, 1857.

***Paraoregma*** Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 105.

Described as genus.

Type species: *Oregma alexanderi* Takahashi, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudoregma* Doncaster, 1966.

***Paraphorodon*** Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 10: 205.

Described as genus.

Type species: *Paraphorodon omeishanensis* Tseng & Tao, 1938; by original designation; junior synonym of *Phorodon cannabis* Passerini, 1860.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Diphorodon* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini.



***Paraprociphilus* Mordvilko, 1923**

Publication reference: Doklady Rossiyskoy Akademii Sel'skokhozyaystvennykh Nauk, 1923: 44.

Described as genus.

Type species: *Pemphigus baicalensis* Cholodkovsky, 1921; by subsequent designation (Mordvilko, 1929: 38).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

***Paraschizaphis* Hille Ris Lambers, 1947**

Publication reference: Zoologische Mededelingen [Leiden], 28: 315.

Described as subgenus of *Schizaphis* Börner, 1931.

Type species: *Toxoptera typhae* Laing, 1923; by original designation; junior synonym of *Toxoptera scirpi* Passerini, 1874.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — Subgenus of *Schizaphis* Börner, 1931.

***Parastomaphis* Pašek, 1953**

Publication reference: Věstník Československé Zoologické Společnosti, 17: 157.

Described as subgenus of *Stomaphis* Walker, 1870.

Type species: *Stomaphis graffii* Cholodkovsky, 1894; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

***Parathecabius* Börner, 1950**

Publication reference: Neue Europäische Blattlausarten: 18.

Described as genus.

Type species: *Thecabius lysimachiae* Börner, 1916; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Thecabius* Koch, 1857.

***Parathoracaphis* Takahashi, 1958**

Publication reference: Insecta Matsumurana, 22: 13.

Described as genus.

Type species: *Thoracaphis setigera* Takahashi, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hoplothoracaphis* Pramanick, Samanta & Raychaudhuri (D.N.), 1983.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Parathoracaphisella*** Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: Akitu, (N.S.), 57: 4.

Described as genus.

Type species: *Parathoracaphisella indica* Pramanik, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Paratinocallis*** Higuchi, 1972

Publication reference: Insecta Matsumurana, 35: 30.

Described as genus.

Type species: *Paratinocallis corylicola* Higuchi, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Mesocallis* Matsumura, 1919.

***Paratoxoptera*** Blanchard (E.E.), 1944

Publication reference: Acta Zoológica Lilloana, 2: 19.

Described as genus.

Type species: *Aphis argentiniensis* Blanchard (E.E.), 1941; by original designation; junior synonym of *Myzus citricidus* Kirkaldy, 1907.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

***Paratrichosiphum*** Takahashi, 1931

Publication reference: Department of Agriculture Government Research Institute Formosa Report, 53: 31.

Described as genus.

Type species: *Greenidea tattakana* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eutrichosiphum* Essig & Kuwana, 1918.

***Paroviparosiphum*** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 29.

Described as genus.

Type species: *Paroviparosiphum opimum* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Parvaverrucosa*** Poinar & Brown, 2006

Publication reference: Proceedings of the Entomological Society of Washington, 108: 734.

Described as genus.

Type species: *Verrucosa annulata* Poinar & Brown, 2005; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Verrucosa* Poinar & Brown, 2005.

Subjective status: Valid.

Taxonomic position: Parvaverrucosidae.

***Pasekia*** Aizenberg, 1959

Publication reference: Zoologicheskii Zhurnal, 38 (11): 1677.

Described as subgenus of *Myzocallis* Passerini, 1860.

Type species: *Hoplocallis komareki* Pašek, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Myzocallis* Passerini, 1860.

***Passerinia*** Macchiati, 1880

Publication reference: Rivista Scientifico-Industriale, Firenze, 12 (16): 356.

Described as genus.

Type species: *Passerinia rosae* Macchiati, 1880; by monotypy; junior synonym of *Aphis rosae* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphum* Passerini, 1860.

***Patchia*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 34.

Described as genus.

Type species: *Patchia virginiana* Baker (A.C.), 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Patchiella*** Tullgren, 1925

Publication reference: Meddelelser från Centralanstalt för Försöksväsendet på Jordbruksområdet, 280: 11.

Described as genus.

Type species: *Schizoneura reaumuri* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Paulianaphis*** Essig, 1957

Publication reference: Naturaliste Malgache, 9: 208.

Described as genus.

Type species: *Paulianaphis madagascariensis* Essig, 1957; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

***Pehuenchaphis*** Mier Durante, Nieto Nafria & Ortego, 2003

Publication reference: Canadian Entomologist, 135: 202.

Described as genus.

Type species: *Pehuenchaphis agilissima* Mier Durante, Nieto Nafria & Ortego, 2003; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Peltaphis*** Frison & Ross, 1933

Publication reference: Canadian Entomologist, 65: 152.

Described as subgenus of *Thripsaphis* Gillette, 1917.

Type species: *Thripsaphis (Peltaphis) hottesi* Frison & Ross, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini.

***Pemphigella*** Tullgren, 1909

Publication reference: Arkiv für Zoologi, 5: 171 (footnote).

Described as genus.

Type species: *Pemphigus cornicularius* Passerini, 1856; by original designation; junior synonym of *Aphis pistaciae* Linnaeus, 1767.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Baizongia* Rondani, 1848.

***Pemphigetum*** Mordvilko, 1928

Publication reference: Bulletin de la Société Zoologique de France, 53: 359.

Described as genus.

Type species: *Pemphigetum muticae* Mordvilko, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

***Pemphiginus*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 153.

Described as subgenus of *Pemphigus* Hartig, 1839.

Type species: *Pemphigus populi* Curchet, 1879; by original designation.

Objective status: Available & potentially valid.

Subjective status: Subgenus of *Pemphigus* Hartig, 1839.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Pemphiglachnus*** Knowlton, 1928

Publication reference: Annals of the Entomological Society of America, 21: 264.

Described as genus.

Type species: *Pemphiglachnus kaibabensis* Knowlton, 1928; by original designation; junior synonym of *Asiphum sacculi* Gillette, 1914.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

***Pemphigus*** Hartig, 1839

Publication reference: Jahresberichte über die Fortschritte der Forstwissenschaft und forstlichen Naturkunde, 1 (4): 645.

Described as genus.

Type species: *Aphis bursaria* Linnaeus, 1758; by subsequent designation (Fitch, 1855: 7, footnote).

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed on the Official List of Generic Names in Zoology [Opinion 1019; name number 1999]. Senior objective synonym of *Aphioides* Rondani, 1848. Conserved name by the International Commission on Zoological Nomenclature (2006) by suppression of *Rhizobius* Burmeister, 1835 [Opinion 2137].

Subjective status: Valid — Senior synonym of *Baizongiella* Blanchard (E.E.), 1944, *Desiforda* Zhang (G.-x.), Qiao & Chen, 1999, *Hamadryaphis* Kirkaldy,

1904, *Kessleria* Lichtenstein, 1886, *Rhizophthiridium* van der Hoeven, 1840, and *Rhyzoicus* Passerini, 1860.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Pemphigus* and *Pemphiginus* Börner, 1930.

***Penaphis*** Lin, 1980

Publication reference: Mesozoic Insect Fossils from Zhejiang and Anhui Province: 223.

Described as genus.

Type species: *Penaphis circa* Lin, 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Pentacerinaphis*** Ivanovskaja-Shubina, 1965

Publication reference: Cherepanov [Ed.], *Novye i Maloizvestnye Vidy Fauny Sibiri*, 1: 59.

Described as genus.

Type species: *Pentacerinaphis samagaltaica* Ivanovskaja-Shubina, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

***Pentalonia*** Cockerell, 1859

Publication reference: *Annales de la Societé Entomologique de France*, (3), 7: 259.

Described as genus.

Type species: *Pentalonia nigronervosa* Cockerell, 1859; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pentamyzus*** Hille Ris Lambers, 1966

Publication reference: *Hilgardia*, 37: 601.

Described as genus.

Type species: *Pentamyzus graminis* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pentaphis*** Horváth, 1896

Publication reference: *Wiener Entomologische Zeitung*, 15 (1): 2.

Described as genus.

Type species: *Forda marginata* Koch, 1857; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

***Pentatrichopus*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 140.

Described as genus.

Type species: *Aphis tetrarhoda* Walker, 1849; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Chaetosiphon* Mordvilko, 1914.

***Pentatrichosiphum*** Basu (A.N.), 1969

Publication reference: Oriental Insects, 3: 182.

Described as genus.

Type species: *Pentatrichosiphum luteum* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenideoida* van der Goot, 1917.

***Pergandeida*** Schouteden, 1903

Publication reference: Zoologische Anzeiger, 26: 686.

Described as genus.

Type species: *Pergandeida ononidis* Schouteden, 1903; by original designation; junior synonym of *Aphis kaltenbachi* Hille Ris Lambers, 1955.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Perillaphis*** Takahashi, 1965

Publication reference: Insecta Matsumurana, 27: 101.

Described as subgenus of *Aulacorthum* Mordvilko, 1914.

Type species: *Macrosiphum perillae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Aulacorthum* Mordvilko, 1914.

***Periphyllus*** van der Hoeven, 1863

Publication reference: Tijdschrift voor Entomologie, 6: 5.

Described as genus.

Type species: *Periphyllus testudo* van der Hoeven, 1863; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available & potentially valid.

Useful information about the objective status: Nomen protectum (Nieto Nafría & Pérez Hidalgo, 2003: 211) over *Phyllophorus* Thornton, 1853. Replacement name for *Chelymorpha* Clarke, 1858, and for *Phyllophora* Fernie, 1852.

Subjective status: Valid — Senior synonym of *Chaetophoria* Börner, 1940, *Chaitophorinella* van der Goot, 1913, and *Chaitophorinus* Börner, 1930. Junior synonym of *Chelymorpha* Clarke, 1858 (an invalid name), and *Phyllophora* Fernie, 1852 (an invalid name).

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Petiolaphioides*** Hong & Wang, 1990

Publication reference: Laiyang Basin Stratum, Shandong, V. Insect Fossils: 88.

Described as genus.

Type species: *Petiolaphioides shandongensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Petiolaphis*** Hong & Wang, 1990

Publication reference: Laiyang Basin Stratum, Shandong, V. Insect Fossils: 86.

Described as genus.

Type species: *Petiolaphis laiyangensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Phalangomyzus*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 83.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Siphonophora oblonga* Mordvilko, 1901; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of



*Macrosiphoniella* Del Guercio, 1911.

***Phillophorus*** Thornton, 1853

Publication reference: Transactions of the Royal Entomological Society of London, (ser. 2), 2 [1852], Proc.: 78.

Described as genus.

Type species: *Phillophorus testudinatus* Thornton, 1853; by original designation; junior synonym of *Phyllophora testudinacea* Fernie, 1852.

Objective status: Available but invalid — Nomen oblitum (Nieto Nafria & Pérez Hidalgo, 2003: 211).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863 (*nomen protectum*). Senior objective synonym of *Chaitophorinella* van der Goot, 1913.

***Phloeomyzus*** Horváth, 1896

Publication reference: Wiener Entomologische Zeitung, 15 (1): 5.

Described as genus.

Type species: *Schizoneura passerinii* Signoret, 1875; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Loewia* Lichtenstein, 1886.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Phlomimyzus*** Narzikulov & Daniyarova, 1979

Publication reference: Trudy Vsesoyuznogo Entomologicheskogo Obshchestva, 61: 44.

Described as subgenus of *Cryptomyzus* Oestlund, 1923.

Type species: *Phlomimyzus tadzhikistanicus* Narzikulov & Daniyarova, 1979; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Cryptomyzus* Oestlund, 1923.

***Phorodon*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 27.

Described as genus.

Type species: *Aphis humuli* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 446; name number 1054].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Phyllaphis*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 248.

Described as genus.

Type species: *Aphis fagi* Linnaeus, 1767; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Phyllaphoides*** Takahashi, 1921

Publication reference: Agricultural Experimental Station of the Government of Formosa Report, 20: 75.

Described as genus.

Type species: *Phyllaphoides bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Phyllophora*** Fernie, 1852

Publication reference: Naturalist, Morris, 2: 265.

Described as genus.

Type species: *Phyllophora testudinacea* Fernie, 1852; by monotypy.

Objective status: Available but invalid — Junior homonym of *Phyllophora* Thunberg, 1815 (Orthoptera), of *Phyllophora* Macquart, 1835 (Diptera), of *Phyllophora* Gray, 1838 (Mammalia), and of *Phyllophora* Milne-Edwards, 1840 (Crustacea).

Useful information about the objective status: Replaced by *Periphyllus* van der Hoeven, 1863.

***Phymatosiphum*** Davis, 1909

Publication reference: Annals of the Entomological Society of America, 2: 196.

Described as genus.

Type species: *Siphonophora acerifoliae* Thomas, 1878; by subsequent designation (Favret, Miller, Nieto Nafria & Cortés Gabaudan, 2008: 392).

Objective status: Available but invalid — Junior objective synonym of *Drepanaphis* Del Guercio, 1909.

***Piceaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 464.

Described as genus.

Type species: *Piceaphis piceaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

***Picturaphis*** Blanchard (E.E.), 1922

Publication reference: Physis [Buenos Aires], 6: 44.

Described as genus.

Type species: *Picturaphis vignaphilus* Blanchard (E.E.), 1922; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Microparsus* Patch, 1909.

***Pilobtusaphis*** Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 32.

Described as genus.

Type species: *Pilobtusaphis dsengei* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Chaitophorinae.

***Pilorostris*** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: Insecta Matsumurana, (N.S.), 20: 28.

Described as genus.

Type species: *Pilorostris simlaensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation; junior synonym of *Nasonovia* (*Kakimia*) *rostrata* David & Hameed, 1974.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

***Piraphis*** Börner, 1931

Publication reference: Börner & Schilder, Aphidoidea [reprint]. Sorauer Handbuch der Pflanzenkrankheiten, Auflage 4, 5 (2): 597.

Described as genus.

Type species: *Pyraphis streili* Börner, 1931; by original designation; junior

synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available but invalid — Junior objective synonym of *Pyraphis* Börner, 1931.

***Pityaria*** Börner, 1949

Publication reference: Beiträge zur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinaropsis* Börner, 1939.

Type species: *Lachnus pruinosus* Hartig 1841; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Placoaphis*** Richards, 1961

Publication reference: Canadian Entomologist, 93: 624.

Described as genus.

Type species: *Placoaphis siphunculata* Richards, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericaphis* Börner, 1939.

***Platyaphis*** Takahashi, 1957

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 26 (7-8): 109.

Described as genus.

Type species: *Platyaphis fagi* Takahashi, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Monaphidina.

***Pleotrichophorus*** Börner, 1930

Publication reference: Archiv für Klassifikatorische und Phylogenetische Entomologie, 1 (2): 138.

Described as subgenus of *Capitophorus* van der Goot, 1913.

Type species: *Aphis glandulosa* Kaltenbach, 1846; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Plioaphis*** Heie, 1968

Publication reference: Beihandlungen Berichte der Naturhistorischen Gesellschaft, 6: 30.

Described as genus.

Type species: *Plioaphis subhercynica* Heie, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

***Plocamaphis*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 122.

Described as genus.

Type species: *Melanoxanthus flocculosus* Weed, 1891; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Radisectaphis* Zhang (G.-x.), 1991.

Taxonomic position: Aphididae Pterocommatinae.

***Polychaitocallis*** Hong, 2002

Publication reference: Amber Insect of China: 72.

Described as genus.

Type species: *Polychaitocallis ovata* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Polygonaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 471.

Described as genus.

Type species: *Polygonaphis aciculansucta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aphis adjuvans* Walker, 1848.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aspidaphis* Gillette, 1917.

***Polytrichaphis*** Miyazaki, 1971

Publication reference: Insecta Matsumurana, 34: 166.

Described as genus.

Type species: *Polytrichaphis fragilis* Miyazaki, 1971; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pomaphis*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Aphis pyri* Boyer de Fonscolombe, 1841; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Dentatus* van der Goot, 1913 and for *Myzopsis* Pašek, 1955.

Subjective status: Valid — Senior synonym of *Myzopsis* Pašek, 1955; Junior synonym of *Dentatus* van der Goot, 1913 (a invalid name).

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Dysaphis* Börner, 1931.

***Precinara*** Zhang (J.-f.), Sun & Zhang (X.-y.), 1994

Publication reference: Science Press [Beijing]: 61.

Described as genus.

Type species: *Precinara minutissima* Zhang (J.-f.), Sun & Zhang (X.-y.), 1994; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini.

***Primoriaphis*** Quednau & Shaposhnikov, 1988

Publication reference: Canadian Entomologist, 120: 1019.

Described as subgenus of *Subsaltusaphis* Quednau, 1952.

Type species: *Subsaltusaphis (Primoriaphis) pulchra* Quednau & Shaposhnikov, 1988; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — Subgenus of *Subsaltusaphis* Quednau, 1952.

***Procalaphis*** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 23.

Described as genus.

Type species: *Aphis tuberculata* von Heyden, 1837; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Callipterinella* van der Goot, 1913.

***Prociphilus*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 279.

Described as genus.

Type species: *Aphis bumeliae* Schrank, 1801; by subsequent designation (Gerstaecker, 1859: 249).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Anocaudus* Ghosh (A.K.), Chakrabarti, Chowdhuri & Raychaudhuri (D.N.), 1969, *Holzneria* Lichtenstein, 1875, and *Nishiyana* Matsumura, 1917.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Prociphilus*, *Meliarhizophagus* Smith, 1974, *Neoparacletus* Strom, 1942, *Paraprocihilus* Mordvilko, 1923, *Pulvius* Sanborn, 1906, and *Stagona* Koch, 1857.

***Promicrella*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 54.

Described as genus.

Type species: *Promicrella ramicola* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Protacaudinum*** Holman, 1991

Publication reference: Entomologia Generalis, 16 (3): 216

Described as subgenus of *Acaudinum* Börner, 1930.

Type species: *Acaudinum beheni* Remaudière & Davatchi, 1959; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acaudinum* Börner, 1930.

***Protaphis*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft Beihaft 3 (1): 93.

Described as genus.

Type species: *Brachyunguis anthemidis* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Alhambra* Gómez-Menor, 1958, and *Dasia* Gómez-Menor, 1951 (a junior homonym name).

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Protohormaphis*** Shaposhnikov & Gabrid, 1987

Publication reference: Entomologicheskoe Obozrenie, 66 (4): 765.

Described as genus.

Type species: *Protohormaphis piceae* Shaposhnikov & Gabrid, 1987; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Hormaphidini.

***Protolachnus*** Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 145.

Described as genus.

Type species: *Protolachnus tuberculostemmata* Theobald, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eulachnus* Del Guercio, 1909.

***Protopterocallis*** Richards, 1965

Publication reference: Memoirs of the Entomological Society of Canada, 44: 69.

Described as genus.

Type species: *Protopterocallis canadensis* Richards, 1965; by original designation; junior synonym of *Aphis fumipennella* Fitch, 1855.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Protrama*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 19.

Described as genus.

Type species: *Trama radialis* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini.

***Prunaphis*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 586.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Aphis cardui* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Neobrachycaudus* Narzikulov, 1965.

Subjective status: Valid — Senior synonym of *Neobrachycaudus* Narzikulov, 1965.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.



***Prunomyzus*** Hille Ris Lambers & Rogerson, 1946

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 15: 105.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Prunomyzus) padellus* Hille Ris Lambers & Rogerson, 1946; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzus* Passerini, 1860.

***Pseudacaudella*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 9.

Described as genus.

Type species: *Acaudella rubida* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Schizomyzus* Börner, 1950.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudambria*** Richards, 1966

Publication reference: Canadian Entomologist, 98: 758.

Described as genus.

Type species: *Pseudambria longirostris* Richards, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Canadaphididae.

***Pseudamphorophora*** Heie, 1967

Publication reference: Spolia Zoologica Musei Hauniensis, 26: 175.

Described as genus.

Type species: *Pseudamphorophora succini* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudaphis*** Hille Ris Lambers, 1956

Publication reference: Bollettino del Laboratorio di Zoologia Generale e Agraria di Portici, 33: 172.

Described as genus.

Type species: *Macrosiphum (Sitobion) sijui* Eastop, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudasiphonaphis*** Robinson, 1965

Publication reference: Canadian Entomologist, 97: 1009.

Described as genus.

Type species: *Asiphonaphis anogis* Hottes & Frison, 1931; by original designation; junior synonym of *Pergandeida corni* Tissot, 1929.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Pseudessigella*** Hille Ris Lambers, 1966

Publication reference: Tijdschrift voor Entomologie, 109: 219.

Described as genus.

Type species: *Pseudessigella brachychaeta* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Eulachnini.

***Pseudoacyrthosiphon*** Ghosh (A.K.) & Raychaudhuri (D.N.), 1969

Publication reference: Oriental Insects, 3: 94.

Described as subgenus of *Neoacyrthosiphon* Tao, 1963.

Type species: *Macrosiphum holsti* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Ericolophium* Tao, 1963.

***Pseudoastegopteryx*** Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977

Publication reference: Proceedings of the Zoological Society [Calcutta], 27 [1974]: 109.

Described as genus.

Type species: *Pseudoastegopteryx himalayensis* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

***Pseudobrevicoryne*** Heinze, 1960

Publication reference: Beiträge zur Entomologie [Berlin], 10: 763.

Described as genus.

Type species: *Brevicoryne buhri* Börner, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudocercidis*** Richards, 1961

Publication reference: Canadian Entomologist, 93: 622.

Described as genus.

Type species: *Pseudocercidis rosae* Richards, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudocerosipha*** Shinji, 1932

Publication reference: Ishii (Y.) [Ed.], Engei Shokubutsu no Byôgaityû: 238.

Described as genus.

Type species: *Pseudocerosipha pruni* Shinji, 1932; by monotypy; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

***Pseudochromaphis*** Zhang (G.-x.), 1982

Publication reference: Zhang (G.-x.) & Zhong, Acta Zootaxonomica Sinica, 7 (1): 70.

Described as genus.

Type species: *Chromaphis coreanus* Paik, 1965; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Pseudoepameibaphis*** Gillette & Palmer, 1932

Publication reference: Annals of the Entomological Society of America, 25: 145.

Described as genus.

Type species: *Pseudoepameibaphis glauca* Gillette & Palmer, 1932; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Pseudolachnus*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 730.

Described as genus.

Type species: *Pseudolachnus yomogi* Shinji, 1922; by monotypy; junior

synonym of *Cryptosiphum artemisiae* Buckton, 1879.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cryptosiphum* Buckton, 1879.

***Pseudomegoura* Shinji, 1929**

Publication reference: *Lansania*, 1: 112.

Described as genus.

Type species: *Macrosiphum nishikigi* Shinji, 1928; by original designation;  
junior synonym of *Rhopalosiphum magnoliae* Essig & Kuwana, 1918.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aulacorthum* Mordvilko, 1914.

***Pseudomicrella* Börner, 1949**

Publication reference: *Beiträge sur Taxonomischen Zoologie*, 1: 55.

Described as genus.

Type species: *Aphis vitellinae* Schrank, 1801; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Pseudonipponaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973**

Publication reference: *Kontyû*, 41: 483.

Described as subgenus of *Nipponaphis* Pergande, 1906.

Type species: *Nipponaphis machiliphaga* Takahashi, 1959; by original  
designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schizoneuraphis* van der Goot, 1917.

***Pseudoprotaphis* Kadyrbekov, 2001**

Publication reference: *Tethys Entomological Research*, 3: 92.

Described as genus.

Type species: *Aphis erigerontis* Holman, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of  
*Aphis* Linnaeus, 1758.

***Pseudopterocomma* MacGillivray, 1963**

Publication reference: *Canadian Entomologist*, 95: 941.

Described as subgenus of *Fullawaya* Essig, 1912.

Type species: *Fullawaya hughii* MacGillivray, 1963; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Pseudoregma*** Doncaster, 1966

Publication reference: Entomologist, 99: 159.

Described as genus.

Type species: *Oregma bambusicola* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neoceratovacuna* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, *Paraoregma* Ghosh (M.R.), Pal & Raychaudhuri (D.N.), 1977, and *Indoregma* Chakrabarti & Maity, 1982.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Pseudorhopalosiphoninus*** Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 90.

Described as genus.

Type species: *Rhopalosiphum calthae* Koch, 1854; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

***Pseudothoracaphis*** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: Insecta Matsumurana, (N.S.), 20: 36.

Described as genus.

Type species: *Pseudothoracaphis himachali* Raychaudhuri (D.N.), Gosh (L.K.) & Das (S.K.); by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Heminipponaphis* Chakrabarti & Raha, 1985.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Pseudotinocallis*** Ghosh (A.K.) & Quednau, 1990

Publication reference: Fauna of India and Adjacent Countries, Homoptera Aphidoidea, 5: 262.

Described as genus.

Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Quednaucallis* Chakrabarti, 1988.

***Pterasthenia*** Stroyan, 1952

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 21: 149.

Described as genus.

Type species: *Pterasthenia shiraensis* Stroyan, 1952; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid — Senior synonym of *Antalus* Adams, 1965.  
 Taxonomic position: Aphididae Pterastheniinae.

***Pteriaphis* Gaumont, 1923**

Publication reference: Annales des Épiphyties, 9: 342.  
 Described as genus.  
 Type species: There is none.  
 Objective status: Available & potentially valid.  
 Subjective status: Nomen dubium.  
 Taxonomic position: Aphididae Calaphidinae.

***Pterocallidium* Börner, 1949**

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 49.  
 Described as genus.  
 Type species: *Chaitophorus maculatus* Buckton, 1899; by original designation;  
 junior synonym of *Callipterus trifolii* Monell, 1882.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid — Senior synonym of *Triphyllaphis* Börner, 1949.  
 Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —  
 Subgenus of *Therioaphis* Walker, 1870.

***Pterocallis* Passerini, 1860**

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.  
 Described as genus.  
 Type species: *Aphis alni* Fabricius, 1781; by original designation; junior  
 synonym of *Aphis alni* De Geer, 1773.  
 Objective status: Available & potentially valid.  
 Useful information about the objective status: Senior objective synonym of  
*Subcallipterus* Mordvilko, 1894.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With  
 subgenera *Pterocallis* and *Recticallis* Matsumura, 1919.

***Pterochloroides* Mordvilko, 1914**

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye  
 poluzestkokrylye, 1 (1): 23 (footnote).  
 Described as genus.  
 Type species: *Lachnus persicae* Cholodkovsky, 1899; by monotypy.  
 Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Tuberodryobius* Das (B.), 1918.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Pteroclorus*** Rondani, 1848

Publication reference: Nuovi Annali delle Scienze Naturali di Bologna, (ser. 2), 9: 35.

Described as genus.

Type species: *Aphis roboris* Linnaeus, 1758; by monotypy.

Objective status: Available but invalid — Junior objective synonym of *Lachnus* Burmeister, 1835.

***Pterocomma*** Buckton, 1879

Publication reference: Monograph of the British Aphides, 2: 142.

Described as genus.

Type species: *Pterocomma pilosa* Buckton, 1879; by monotypy.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Aphioides* Passerini, 1860.

Subjective status: Valid — Senior synonym *Aristaphis* Kirkaldy, 1905, *Clavigerus* Szépligeti, 1883, *Melanoxantherium* Schouteden, 1901, *Melanoxanthus* Buckton, 1879 (a junior homonym name), and *Stauroceras* Börner, 1940 — Junior synonym name of of *Aphioides* Passerini, 1860 (an invalid name), *Cladobius* Koch, 1856 (an invalid name).

Taxonomic position: Aphididae Pterocommatinae.

***Pterostigma*** Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 178.

Described as genus.

Type species: *Pterostigma recurvum* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

***Ptychodes*** Buckton, 1881

Publication reference: Monograph of the British Aphides, 3: 39.

Described as genus.

Type species: *Aphis juglandis* Goeze, 1778; by monotypy.

Objective status: Available but invalid — Junior homonym of *Ptychodes* Dejean, 1835 (Coleoptera), of *Ptychodes* Audinet-Serville, 1835 (Coleoptera), of *Ptychodes* Fischer de Waldheim, 1848 (Mollusca) and of *Ptychodes* Diesing, 1863 (Nemertines).

Useful information about the objective status: Replaced by *Panaphis* Kirkaldy, 1904 (*nomen novum*).

***Pulvius*** Sanborn, 1906

Publication reference: Kansas University Science Bulletin, 3: 225.

Described as genus.

Type species: *Pulvius probosceus* Sanborn, 1906; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

***Pyraphis*** Börner, 1931

Publication reference: Anzeiger für Schädlingskunde, 7: 10.

Described as genus.

Type species: *Pyraphis streili* Börner, 1931; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Piraphis* Börner, 1931.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Pyrethromyzus*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 15.

Described as genus.

Type species: *Macrosiphum sanborni* Gillette, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Macrosiphoniella* Del Guercio, 1911.

***Pyrolachnus*** Basu (A.N.) & Hille Ris Lambers, 1968

Publication reference: Entomologische Berichten [Amsterdam], 28: 13.

Described as genus.

Type species: *Lachnus pyri* Buckton, 1899; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Quadrartus*** Monzen, 1954

Publication reference: Annual Report of the Gakugei Faculty of the Iwate University, 7 (2): 54.

Described as genus.

Type species: *Quadrartus yoshinomiya* Monzen, 1954; by original designation.



Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Quednaucallis*** Chakrabarti, 1988

Publication reference: *Oriental Insects*, 2: 52.

Described as subgenus of *Tinocallis* Matsumura, 1919.

Type species: *Sarucallis nigropunctatus* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Pseudotinocallis* Ghosh (A.K.) and Quednau, 1990.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Quernaphis*** Takahashi, 1958

Publication reference: *Kontyû*, 26 (4): 182.

Described as genus.

Type species: *Thoracaphis tuberculata* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Quippelachnus*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 134.

Described as genus.

Type species: *Euceraphis gillettei* Davidson, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Euceraphis* Walker, 1870.

***Quisqueyaaphis*** Wegierek, 2001

Publication reference: *Annales Zoologici* [Warszawa], 51: 409.

Described as genus.

Type species: *Quisqueyaaphis heiei* Wegierek, 2001; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Radiaphis*** Pashchenko, 2000

Publication reference: *Zoologicheskii Zhurnal*, 79 (11): 1170.

Described as genus.

Type species: *Radiaphis cirsii* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

***Radicisiphum*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 472.

Described as genus.

Type species: *Radicisiphum cirsomilos* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; junior synonym of *Aulacorthum cirsorhizum* Zhang (G.-x.), Chen, Zhong & Li, 1999.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chitinosiphon* Yuan & Xue, 1992.

***Radisectaphis*** Zhang (G.-x.), 1991

Publication reference: Zhang (G.-x.) & Zhong, Insects of Xizang: Homoptera: Aphidoidea: 273.

Described as genus.

Type species: *Radisectaphis gyirongensis* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Plocamaphis* Oestlund, 1923.

***Ramitrichophorus*** Hille Ris Lambers, 1947

Publication reference: Zoologische Mededelingen [Leiden], 28: 291.

Described as subgenus of *Macrosiphoniella* Del Guercio, 1911.

Type species: *Macrosiphoniella jancke* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* Del Guercio, 1911.

***Ranakimia*** Heie, 1979

Publication reference: Entomologica Scandinavica, supplement 9: 23.

Described as subgenus of *Nasonovia* Mordvilko, 1914.

Type species: *Nectarophora purpurascens* Oestlund, 1887; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Nasonovia* Mordvilko, 1914.

***Rappardiella*** Noordam, 1991

Publication reference: Zoologische Verhandlungen [Leiden], 270: 231.

Described as genus.

Type species: *Oregma loranthe* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberaphis* Takahashi, 1933.

***Raychaudhuriaphis*** Pramanick, Samanta & Raychaudhuri (D.), 1983

Publication reference: Akitu, (N.S.), 57: 7.

Described as genus.

Type species: *Raychaudhuriaphis capitata* Pramanick, Samanta & Raychaudhuri (D.), 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Raychaudhuriella*** Chakrabarti, 1978

Publication reference: Zoological Journal of the Linnean Society, 62: 355.

Described as genus.

Type species: *Raychaudhuriella myzaphoides* Chakrabarti, 1979; by original designation; junior synonym of *Eoessigia indica* David, Rajasingh & Narayanan, 1972.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eoessigia* David, Rajasingh & Narayanan, 1972.

***Recticallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 105.

Described as genus.

Type species: *Recticallis alnijaponicae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Pterocallis* Passerini, 1860.

***Rectinasus*** Theobald, 1914

Publication reference: Entomologist, 47: 28.

Described as genus.

Type species: *Rectinasus buxtoni* Theobald, 1914; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Reticulaphis*** Takahashi, 1958

Publication reference: *Insecta Matsumurana*, 22: 11.

Described as genus.

Type species: *Reticulaphis shiiae* Takahashi, 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Rhizoberlesia*** Del Guercio, 1915

Publication reference: *Redia*, 10: 246.

Described as genus.

Type species: *Rhizoberlesia trifolii* Del Guercio, 1915; by original designation;  
Replaced by *Therioaphis brachytricha* Hille Ris Lambers & van den Bosch, 1964.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Myzocallidium* Börner, 1949.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina —  
Subgenus of *Therioaphis* Walker, 1870.

***Rhizobius*** Burmeister, 1835

Publication reference: *Handbuch der Entomologie*, 2: 87.

Described as genus.

Type species: *Rhizobius pilosellae* Burmeister, 1835; by subsequent designation  
(Wilson, 1910: 153); Junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available but invalid — Suppressed by the International  
Commission on Zoological Nomenclature (2006) [Opinion 2137].

Useful information about the objective status: Replaced by *Rhizophthiridium*  
van der Hoeven, 1840.

***Rhizoctonus*** Horváth, 1896.

Publication reference: *Mokrzecky, Trudy Russkago Entomologicheskago  
Obshchestva*, 30: 439.

Described as genus.

Type species: *Rhizoctonus ampelinus* Mokrzecky, 1896; by original  
designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aploneura* Passerini, 1863.

***Rhizomaria*** Hartig, 1857

Publication reference: *Verhandlung des Hils-Solling-Forstvereins* 1856: 53.

Described as genus.

Type species: *Rhizomaria piceae* Hartig, 1857; by monotypy; junior synonym of *Aphis tremulae* Linnaeus, 1761.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

***Rhizophthiridium*** van der Hoeven, 1840

Publication reference: Handboek der Dierkunde, 2 Auflaged, 1: 508.

Described as genus.

Type species: *Rhizobius pilosellae* Burmeister, 1835; denoted by new replacement name (Article 67.8); junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name of *Rhizobius* Burmeister, 1835 (a suppressed name).

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

***Rhizoterus*** Hartig, 1841

Publication reference: Zeitschrift für Entomologie (Germar), 3 (2): 363.

Described as genus.

Type species: *Rhizoterus vacca* Hartig, 1841; by monotypy; junior synonym of *Forda formicaria* von Heyden, 1837.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Forda* von Heyden, 1837.

***Rhodiolaphis*** Ivanovskaja, 1975

Publication reference: Cherepanov [Ed.], Novye i Maloizvestnye Vidy Fauny Sibiri, 9: 24.

Described as genus.

Type species: *Rhodiolaphis cholsunensis* Ivanovskaja, 1975; by original designation; junior synonym of *Thuleaphis sedi* Jacob, 1964.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

***Rhodobium*** Hille Ris Lambers, 1947

Publication reference: Temminckia, 7: 300.

Described as genus.

Type species: *Macrosiphum rosaefolium* Theobald, 1915; by original designation; junior synonym of *Myzus porosus* Sanderson, 1900.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Rhopalomyzus*** Mordvilko, 1921

Publication reference: *Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey*, 3 (3): 45.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Rhopalosiphum poae* Gillette, 1908; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Rhopalomyzus* and *Judenkoa* Hille Ris Lambers, 1953.

***Rhopalosiphon*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellchaft*, 3 (1): 68.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; denoted by unjustified emendation (Article 67.8).

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Rhopalosiphum* Koch, 1854.

***Rhopalosiphoninus*** Baker (A.C.), 1920

Publication reference: *Bulletin of the United States Department of Agriculture*, 826: 58.

Described as genus.

Type species: *Amphorophora latysiphon* Davidson, 1912; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Clavosiphum* Shinji, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Rhopalosiphoninus*, *Neorhopalosiphoninus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968, *Pseudorhopalosiphoninus* Heinze, 1961, and *Submegoura* Hille Ris Lambers, 1953.

***Rhopalosiphum*** Koch, 1854

Publication reference: *Pflanzenläuse Aphiden*, (1): 23.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by subsequent designation (Gerstaecker, 1856: 162).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Rhopalosiphon* Börner, 1931, of *Siphocoryne* Passerini, 1860, and of *Siphonaphis* van der Goot, 1915.

Subjective status: Valid — Senior synonym of *Aresha* Mordvilko, 1921, *Pseudocerosipha* Shinji, 1932, *Stenaphis* Del Guercio, 1914, and *Yamataphis* Matsumura, 1917.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina.

***Rhynhocles*** Altum, 1882

Publication reference: Forstzoologie, 3: 356.

Described as genus.

Type species: *Rhynhocles longirostris* Altum, 1882; by original designation; junior synonym of *Aphis quercus* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Stomaphis* Walker, 1870.

***Rhyzoicus*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 30 (footnote).

Described as genus.

Type species: *Rhyzoicus sonchi* Passerini, 1860; by original designation; junior synonym of *Aphis bursaria* Linnaeus, 1758.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pemphigus* Hartig, 1839.

***Roepkea*** Hille Ris Lambers, 1935

Publication reference: Memorie del Museo Civico di Storia Naturale della Venezia Tridentina (ser. 2, Scienze della Vita), 3: 56.

Described as genus.

Type species: *Yezabura marchali* Börner, 1931; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Rungisia*** Mimeur, 1933

Publication reference: Bulletin de la Societé de Sciences Naturelles du Maroc, 13 (1-3): 104.

Described as genus.

Type species: *Rungisia graminis* Mimeur, 1933; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name for *Siphonella* Börner, 1939.

Subjective status: Valid — Senior synonym of *Siphonella* Börner, 1939.

Taxonomic position: Aphididae Chaitophorinae Siphini — Subgenus of *Sipha*

Passerini, 1860.

***Ryoichitakahashia*** Hille Ris Lambers, 1965

Publication reference: Tijdschrift voor Entomologie, 108: 190.

Described as genus.

Type species: *Ryoichitakahashia ilicis* Hille Ris Lambers, 1965; by original designation; junior synonym of *Macrosiphoniella prunifoltae* Shinji, 1924.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Saltusaphis*** Theobald, 1915

Publication reference: Bulletin of Entomological Research, 6: 138.

Described as genus.

Type species: *Saltusaphis scirpus* Theobald, 1915; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hiberaphis* Börner, 1949.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Sanbornia*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 50.

Described as genus.

Type species: *Sanbornia juniperi* Pergande, 1920; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Sanpupemphigus*** Chang, 1979

Publication reference: Chang & Zhong, Acta Entomologica Sinica, 22: 328.

Described as genus.

Type species: *Sanpupemphigus sanpupopuli* Chang & Zhong, 1979; by original designation; junior synonym of *Pemphigus imaicus* Cholodkovsky, 1912.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Epipemphigus* Hille Ris Lambers, 1966.

***Sappaphis*** Matsumura, 1918

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 18.

Described as genus.

Type species: *Sappaphis piri* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lachnaphis* Shinji, 1922.



Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Sappocallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 107.

Described as genus.

Type species: *Sappocallis ulmicola* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Telocallis* Shinji, 1922, and *Tuberocallis* Nevsky, 1929.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — Subgenus of *Tinocallis* Matsumura, 1919.

***Sarucallis*** Shinji, 1922

Publication reference: Dōbutsugaku Zasshi, 34: 730.

Described as genus.

Type species: *Sarucallis lythrae* Shinji, 1922; by monotypy; junior synonym of *Myzocallis kahawaluokalani* Kirkaldy, 1907.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Neotherioaphis* Behura & Das (B.K.), 1975.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Satula*** Olive, 1963

Publication reference: Annals of the Entomological Society of America, 56: 556.

Described as genus.

Type species: *Satula brachychaeta* Olive, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1914.

***Sbenaphis*** Scudder, 1890

Publication reference: Bulletin of the U.S. Geological Survey Territories, 13: 250.

Described as genus.

Type species: *Lachnus quesneli* Scudder, 1878; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae.

***Schizaphidiella*** Hille Ris Lambers, 1939

Publication reference: Zoologische Mededelingen [Leiden], 22: 100.

Described as genus.

Type species: *Schizaphidiella quinquarticulata* Hille Ris Lambers, 1939; by original designation; junior synonym of *Myzus pyrarius* Passerini, 1861.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Schizaphis*** Börner, 1931

Publication reference: Anzeiger für Schädlingkunde, 7: 10.

Described as genus.

Type species: *Aphis graminum* Rondani, 1852; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Rhopalosiphina — With subgenera *Schizaphis*, *Euschizaphis* Hille Ris Lambers, 1947, and *Paraschizaphis* Hille Ris Lambers, 1947.

***Schizodryobius*** van der Goot, 1913

Publication reference: Tijdschrift voor Entomologie, 56: 130.

Described as genus.

Type species: *Lachnus exsiccator* Altum, 1862; by original designation; junior synonym of *Aphis pallipes* Hartig, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

***Schizolachnus*** Mordvilko, 1909

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoy Akademii Nauk, 13 (4) [1908]: 375.

Described as genus.

Type species: *Aphis tomentosa* Villers, 1789; by original designation; junior synonym of *Aphis pineti* Fabricius, 1781.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Unilachnus* Wilson, 1919

Taxonomic position: Aphididae Lachninae Lachnini.

***Schizomyzus*** Börner, 1950

Publication reference: Neue Europäische Blattlausarten: 11.

Described as genus.

Type species: *Schizomyzus lindneri* Börner, 1950; by original designation; junior synonym of *Acaudella rubida* Börner, 1939.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pseudacaudella* Börner, 1950.

***Schizoneura*** Hartig, 1839

Publication reference: Jahresberichte über die Fortschritte der Forstwissenschaft und forstlichen Naturkunde, 1 (4): 645.

Described as genus.

Type species: *Chermes ulmi* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 30) & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Eriosoma* Leach, 1818.

***Schizoneuraphis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 245.

Described as genus.

Type species: *Schizoneuraphis gallarum* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pseudonipponaphis* Ghosh (A.K.) & Raychaudhuri (D.N.), 1973.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Schizoneurata*** Hille Ris Lambers, 1973

Publication reference: Florida Entomologist, 56 (4): 295.

Described as genus.

Type species: *Schizoneurata tissoti* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Schizoneurella*** Hille Ris Lambers, 1973

Publication reference: Oriental Insects, 7: 249.

Described as genus.

Type species: *Schizoneurella indica* Hille Ris Lambers, 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Schizoneuroides*** Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 178.

Described as genus.

Type species: *Schizoneuroides scudderi* Buckton, 1883; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

***Schlechtendalia*** Lichtenstein, 1883

Publication reference: Entomologische Zeitung [Stettin], 1883: 242.

Described as genus.

Type species: *Aphis chinensis* Bell, 1851; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Abamalekia* Del Guercio, 1906, and *Meitanaphis* Tsai & Tang, 1946.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Schoutedenia*** Mordvilko, 1921

Publication reference: Izvestiya Severnoy oblastnoy stancii Zashchity rasteniy ot vreditel'ey, 3 (3): 63.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; by subsequent designation (Mordvilko, 1928: 176)

Objective status: Available but invalid — Junior homonym of *Schoutedenia* Rübsaamen, 1905.

Useful information about the objective status: Replaced by *Neoschoutedenia* Schumacher, 1923 (*nomen novum*), and by *Schoutedenum* Mordvilko, 1928 (*nomen novum*).

***Schoutedenia*** Rübsaamen, 1905

Publication reference: Marcellia, 4: 19.

Described as genus.

Type species: *Schoutedenia ralumensis* Rübsaamen, 1905; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Schoutedenia* Mordvilko, 1921.

Subjective status: Valid — Senior synonym of *Cerciaphis* Theobald, 1920, *Setaphidia* Strand, 1942, and *Setaphis* van der Goot, 1917.

Taxonomic position: Aphididae Greenideinae Schoutedeniini.

***Schoutedenum*** Mordvilko, 1928

Publication reference: Filip'ev [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR: 176.

Described as genus.

Type species: *Geoica cyperi* Schouteden, 1902; denoted by new replacement name (Article 67.8).

Objective status: Available but invalid valid — Junior objective synonym of *Neoschoutedenia* Schumacher, 1923.

Useful information about the objective status: Replacement name (*nomen novum*) for *Schoutedenia* Mordvilko, 1921.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

***Sciomyzus*** Stroyan, 1954

Publication reference: Proceedings of the Royal Entomological Society of London, (B), 23 (1-2): 10.

Described as subgenus of *Myzus* Passerini, 1860.

Type species: *Myzus (Sciomyzus) cymbalariae* Stroyan, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Myzus* Passerini, 1860.

***Scleromyzus*** Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976

Publication reference: Entomon, 1: 64.

Described as genus.

Type species: *Myzus corylopsis* Basu (R.C.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1973; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Scrophulaphis*** Andreev, 1982

Publication reference: Izvestiya Akademii Nauk Moldavskoy. SSR, (Biologiya, Khimiya), 1982 (1): 30.

Described as subgenus of *Brachycaudus* van der Goot, 1913.

Type species: *Brachycaudus (Scrophulaphis) rhinariatus* Andreev, 1982; by original designation; Junior synonym of *Longicaudus himalayensis* Hille Ris Lambers, 1965.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Brachycaudus* van der Goot, 1913.

***Scythaphis*** Kadyrbekov, 2002

Publication reference: Tethys Entomological Research, 6: 39.

Described as genus.

Type species: *Cryptosiphum eurotiae* Mamontova, 1968; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

***Selibaizongia*** Zhang (G.-x.), 1995

Publication reference: *Entomologia Sinica*, 2 (4): 291.

Described as subgenus of *Baizongia* Rondani, 1848.

Type species: *Baizongia yunlongensis* Zhang (G.-x.) & Zhong, 1985; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaetogeoica* Remaudière & Tao, 1957.

***Semiaphis*** van der Goot, 1913

Publication reference: *Tijdschrift voor Entomologie*, 56: 105.

Described as genus.

Type species: *Aphis carotae* Koch, 1954; by monotypy; junior synonym of *Aphis dauci* Fabricius, 1775.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 646: name number 1504].

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Semiaphoides*** Rusanova, 1943

Publication reference: *Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR*, 4: 30.

Described as genus.

Type species: *Semiaphoides cannabinarum* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Seneciobium*** Remaudière, 1954

Publication reference: *Revue de Pathologie Végétale et Entomologie Agricole de France*, 33: 55.

Described as genus.

Type species: *Seneciobium balachowskyi* Remaudière, 1954; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Senisetotarsaphis*** Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980

Publication reference: *Insecta Matsumurana*, (N. S.), 20: 30.

Described as genus.

Type species: *Senisetotarsaphis jakhuensis* Raychaudhuri (D.N.), Ghosh (L.K.) & Das (S.K.), 1980; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

***Sensoriaphis*** Cottier, 1953

Publication reference: *Bulletin of the New Zealand Department of Scientific and Industrial Research*, 106: 96.

Described as genus.

Type species: *Sensoriaphis nothofagi* Cottier, 1953; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Taiwanaphidinae — Subgenus of *Taiwanaphis* Takahashi, 1934.

***Serrataphis*** van der Goot, 1917

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 262.

Described as genus.

Type species: *Tetraneura lucifuga* Zehntner, 1897; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

***Serratocallis*** Quednau & Chakrabarti, 1976

Publication reference: *Canadian Entomologist*, 108: 462.

Described as genus.

Type species: *Serratocallis takahashii* Quednau & Chakrabarti, 1976; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Setaphidia*** Strand, 1942

Publication reference: *Folia Zoologica et Hydrobiologica*, 11: 393.

Described as genus.

Type species: *Setaphis lutea* van der Goot, 1917; denoted by new replacement

name (Article 67.8); junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Setaphis* van der Goot, 1917.

Subjective status: Junior synonym of *Schoutedenia* Rübsaamen, 1905.

***Setaphis*** van der Goot, 1917

Publication reference: Koningsberger, Contributions a la Faune des Indes Néerlandaises, 1 (3): 153.

Described as genus.

Type species: *Setaphis lutea* van der Goot, 1917; by original designation; Junior synonym of *Schoutedenia ralumensis* Rübsaamen, 1905.

Objective status: Available but invalid — Junior homonym of *Setaphis* Simon, 1893 (Arachnida).

Useful information about the objective status: Replaced by *Setaphidia* Strand, 1942 (*nomen novum*).

***Shaposhnikoviella*** Mamontova-Solukha, 1963

Publication reference: Pratsi Institutu Zoologii Akademii Nauk Ukrainskoy SSR, 19: 15.

Described as genus.

Type species: *Shaposhnikoviella paradoxa* Mamontova, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neosappaphis* Hille Ris Lambers, 1959.

***Shenahweum*** Hottes & Frison, 1931

Publication reference: Bulletin of the Illinois State Natural History Survey, 19: 267.

Described as genus.

Type species: *Drepanaphis minutus* Davis, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae — Subgenus of *Drepanaphis* Del Guercio, 1909.

***Shinjia*** Takahashi, 1938

Publication reference: Tenthredo, 2: 6.

Described as genus.

Type species: *Microtarsus pterydifoliae* Shinji, 1929; denoted by new replacement name (Article 67.8); junior synonym of *Atarsos orientalis* Mordvilko, 1929.



Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Microtarsus* Shinji, 1929.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Shivaphis*** Das (B.), 1918

Publication reference: Memoirs of the Indian Museum, 6: 245.

Described as genus.

Type species: *Shivaphis celti* Das (B.), 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Shivaphis*, and *Sinishivaphis* Zhang (G.-x.), 1982.

***Siciforda*** Zhang (G.-x.), 1998

Publication reference: Zhang (G.-x.) & Qiao, Entomologia Sinica, 5: 3.

Described as genus.

Type species: *Siciforda sexiarticulata* Zhang (G.-x.), 1998; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Siciunguis*** Zhang (G.-x.) & Qiao, 1999

Publication reference: Acta Entomologica Sinica, 42 (1): 57.

Described as genus.

Type species: *Siciunguis decima* Zhang (G.-x.) & Qiao, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Siculaphis*** Quednau & Barbagallo, 1991

Publication reference: Canadian Entomologist, 123: 581.

Described as genus.

Type species: *Siculaphis vittoriensis* Quednau & Barbagallo, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Sigmacallis*** Zhang (G.-x.), 1981

Publication reference: Zhang (G.-x.) & Zhong, Insects of Xizang: Homoptera: Aphidoidea: 233.

Described as genus.

Type species: *Sigmacallis pilosa* Zhang (G.-x.), 1981; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pachypappa* Koch, 1856.

***Silenobium*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 78.

Described as genus.

Type species: *Silenobium schusteri* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Volutaphis* Börner, 1939.

***Silvaphis*** Hong, 2002

Publication reference: Amber Insect of China: 40.

Described as genus.

Type species: *Silvaphis eocenica* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Similidrepan*** Heie, 2006

Publication reference: Insect Systematics and Evolution, 37 [2005]: 96.

Described as genus.

Type species: *Similidrepan pulawskii* Heie, 2006; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Sinaphidum*** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 34.

Described as genus.

Type species: *Sinaphidum epichare* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Sinaphididae.

***Sinishivaphis*** Zhang (G.-x.), 1982

Publication reference: Zhang (G.-x.) & Zhong, Acta Zootaxonomica Sinica, 7 (1): 68.

Described as subgenus of *Shivaphis* Das (B.), 1918.

Type species: *Sinishivaphis hangzhouensis* Zhang (G.-x.) & Zhong, 1982; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Subgenus of *Shivaphis* Das (B.), 1918

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Sinituberculatus*** Zhang (W.-y.) & Zhang (G.-x.), 1991

Publication reference: Scientific Treatise on Systematic and Evolutionary Zoology, 1: 100.

Described as subgenus of *Tuberculatus*.

Type species: *Tuberculatus (Sinituberculatus) grisipunctatus* Zhang (G.-x.), Zhang (W.-y.) & Zhong, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acanthocallis* Matsumura, 1917.

***Sinocallis*** Hong, 2002

Publication reference: Amber Insect of China: 63.

Described as genus.

Type species: *Sinocallis clypeolata* Hong, 2002; by original designation.

Objective status: Available but invalid — Junior homonym of *Sinocallis* Tseng & Tao, 1938.

Useful information about the objective status: Replaced by *Hongocallis* Wegierek, 2010 (*nomen novum*).

***Sinocallis*** Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 10: 213.

Described as genus.

Type species: *Sinocallis mirabilis* Tseng & Tao, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dasyaphis* Takahashi, 1938.

***Sinochaitophorus*** Takahashi, 1936

Publication reference: Lingnan Science Journal 15: 197.

Described as genus.

Type species: *Sinochaitophorus maoi* Takahashi, 1936; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Sinocolopha*** Tao, 1970

Publication reference: Quarterly Journal of the Taiwan Museum, 23 (3-4): 138.

Described as genus.

Type species: *Truncaphis graminis* Takahashi, 1930; by original designation; junior synonym of *Eriosoma kansugei* Uye, 1924.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Colopha* Monell, 1877.

***Sinolachnus*** Hille Ris Lambers, 1956

Publication reference: Zeitschrift für Angewandte Entomologie, 39 (4): 472.

Described as genus.

Type species: *Lachnus nitakayamensis* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini.

***Sinomegoura*** Takahashi, 1960

Publication reference: Kontyû, 28: 228.

Described as genus.

Type species: *Acyrtosiphon photinae* Takahashi, 1936; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Sinonipponaphis*** Tao, 1966

Publication reference: Quarterly Journal of the Taiwan Museum, 19: 175.

Described as genus.

Type species: *Astegopteryx formosana* Takahashi, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Sinosiphoniella*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 200.

Described as genus.

Type species: *Macrosiphoniella kuwayamai* Takahashi, 1941; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphoniella* del Guercio, 1911.

***Sinotherioaphis*** Zhang (G.-x.), 1980

Publication reference: Zhang (G.-x.) & Zhong, Zoological Research, 1 (4): 432.

Described as genus.

Type species: *Sinotherioaphis pterothorax* Zhang (G.-x.) & Zhong, 1980; by original designation; junior synonym of *Chuansicallis chengtuensis* Tao, 1964.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chuansicallis* Tao, 1964.

***Sinoviparosiphum*** Ren, Lu & Ji, 1995

Publication reference: Faunae and Stratigraphy of Jurassic-Cretaceous in Beijing and Adjacent Areas: 71.

Described as genus.

Type species: *Sinoviparosiphum lini* Ren, Lu & Ji, 1995; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Sipha*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 29.

Described as genus.

Type species: *Aphis glyceriae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Siphini — With subgenera *Sipha* and *Rungsia* Mimeur, 1933.

***Siphocoryne*** Passerini, 1860

Publication reference: Gli Afidi con un prospetto dei generi e alcune specie nuove italiane: 28.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.

Useful information about the objective status: Senior homonym of *Siphocoryne* Passerini, 1863.

***Siphocoryne*** Passerini, 1863

Publication reference: *Archivo per la Zoologia l'Anatomia e la Fisiologia di Modena*, 2 (2) [1862]: 175.

Described as genus.

Type species: *Aphis xylostei* Schrank, 1801; by subsequent designation (Kirkaldy, 1905: 416); junior synonym of *Siphocoryne foeniculi* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphocoryne* Passerini, 1860.

Useful information about the objective status: Replaced by *Hyadaphis* Kirkaldy, 1904 (*nomen novum*).

***Siphonaphis*** van der Goot, 1915

Publication reference: *Beiträge zur Kenntnis der Holländischen Blattläuse*: 238.

Described as genus.

Type species: *Aphis nymphaeae* Linnaeus, 1761; by subsequent designation (Baker (A.C.), 1920: 50).

Objective status: Available but invalid — Junior objective synonym of *Rhopalosiphum* Koch, 1854.

***Siphonatrophia*** Swain, 1918

Publication reference: *Entomological News*, 29: 363.

Described as genus.

Type species: *Cerosipha cupressi* Swain, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Minuticornicus* Knowlton, 1928.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina. With subgenera *Siphonatrophia*, and *Lacusaphis* Zhang (G.-x.).

***Siphonella*** Börner, 1939

Publication reference: *Arbeiten über Physiologische und Angewandte Entomologie* [Berlin-Dahlem], 6 (1): 77.

Described as genus.

Type species: *Sipha graminis* Kaltenbach, 1864; by original designation; junior synonym of *Sipha maydis* Passerini, 1860.

Objective status: Available but invalid — Junior homonym of *Siphonella* Macquart, 1835 (Diptera), of *Siphonella* Hagenow, 1850 (Bryozoa), of *Siphonella* Issel, 1869 (Mollusca), of *Siphonella* Verril, 1879 (Mollusca), and of *Siphonella* Ledenfeld, 1887 (Porifera).

Useful information about the objective status: Replaced by *Rungisia* Mimeur, 1933.

***Siphonocallis*** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 293.

Described as genus.

Type species: *Aphis betulaecolens* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Calaphis* Walsh, 1862.

***Siphonocoryne*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 793.

Described as genus.

Type species: *Siphonocoryne polygona* Shinji, 1851; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Akkaia* Takahashi, 1919.

***Siphonophora*** Koch, 1855

Publication reference: Pflanzenläuse Aphiden, (5): 150.

Described as genus.

Type species: *Aphis rosae* Linnaeus, 1758; by subsequent designation (Passerini, 1860: 27).

Objective status: Available but invalid — Junior homonym of *Siphonophora* Fischer, 1823 (Cnidaria), and of *Siphonophora* Brandt, 1837 (Myriapoda).

Useful information about the objective status: Replaced by *Macrosiphum* Passerini, 1860 (*nomen novum*), and by *Nectarophora* Oestlund, 1887 (*nomen novum*).

***Siphonophoroides*** Buckton, 1883

Publication reference: Monograph of the British Aphides, 4: 176.

Described as genus.

Type species: *Siphonophoroides antiqua* Buckton, 1883; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Amalancon* Scudder, 1890, *Archilachnus* Buckton, 1883, *Cataneura* Scudder, 1890, *Lithaphis* Scudder, 1890, *Oryctaphis* Scudder, 1890, *Tephraphis* Scudder, 1890.

Taxonomic position: Aphididae Drepanosiphinae.

***Sitobion*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65.

Described as genus.

Type species: *Aphis granaria* Kirby, 1798; by subsequent designation (Mordvilko, 1919: 354); Junior synonym of *Aphis avenae* Fabricius, 1775.

Objective status: Available & potentially valid. — Subsequent spelling for *Sitobium* Mordvilko, 1914 in frequent use and attributed to the author in the original work (Article 33.3.1).

Useful information about the objective status: Replacement name for *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, and for *Neomacrosiphum* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Subjective status: Valid — Senior synonym of *Anameson* Mordvilko, 1914, *Aphidiella* Theobald, 1923, *Neomacrosiphum* Basu (R.C.), Ghosh (M.R.) & Raychaudhuri (D.N.), 1976, and *Neomacrosiphum* Raychaudhuri (D.N.), Ghosh (M.R.) & Basu (R.C.), 1980.

Taxonomic position: Aphididae Aphidinae Macrosiphini. With subgenera *Sitobion*, and *Metobion* Heikinheimo, 1990.

***Sitomyzus*** Hille Ris Lambers, 1952

Publication reference: Meddelelser om Grønland, 136: 9.

Described as genus.

Type species: *Sitomyzus vibei* Hille Ris Lambers, 1952; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Utamphorophora* Knowlton, 1946.

***Slavum*** Mordvilko, 1927

Publication reference: Mémoires de la Société Zoologique de France, 28: 74.

Described as genus.

Type species: *Slavum lentiscoides* Mordvilko, 1927; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Smiela*** Mordvilko, 1929

Publication reference: Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 50.

Described as genus.

Type species: *Smiela fusca* Mordvilko, 1948; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Brevicorynaphis* Hille Ris Lambers, 1956.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Sminthuraphis*** Quednau, 1953

Publication reference: Zoologische Anzeiger, 150: 224.

Described as genus.



Type species: *Sminthuraphis ulrichi* Quednau, 1953; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Smynthuroides*** Westwood, 1849

Publication reference: Gardeners Chronicle, 1849 (27): 420.  
 Described as genus.  
 Type species: *Smynthuroides betae* Westwood, 1849; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid — Senior synonym of *Trifidaphis* Del Guercio, 1909, and *Tullgrenia* van der Goot, 1912.  
 Taxonomic position: Aphididae Eriosomatinae Fordini.

***Sogdianella*** Mukhamediev, 1965

Publication reference: Doklady Akademii Nauk Tadzhikskoy SSR, 8 (2): 35.  
 Described as genus.  
 Type species: *Sogdianella lonicericola* Mukhamediev, 1965; by original designation.  
 Objective status: Available but invalid — Junior homonym of *Sogdianella* Schurenkova, 1939 (Protozoa).  
 Useful information about the objective status: Replaced by *Ferganaphis* Narzikulov & Mukhamediev, 1975 (*nomen novum*), and by *Ferganaphis* Mukhamediev, 1976 (*nomen novum*).

***Somaphis*** Shinji, 1929

Publication reference: Lansania, 1: 110.  
 Described as genus.  
 Type species: *Aphis somei* Essig & Kuwana, 1918; by original designation; junior synonym of *Longiunguis odinae* van der Goot, 1917.  
 Objective status: Available & potentially valid.  
 Subjective status: Junior synonym of *Toxoptera* Koch, 1856.

***Sorbaphis*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 224.  
 Described as genus.  
 Type species: *Sorbaphis chaetosiphon* Shaposhnikov, 1950; by original designation.  
 Objective status: Available & potentially valid.  
 Subjective status: Valid.  
 Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Sorbobium*** MacGillivray & Bradley, 1961

Publication reference: Canadian Entomologist, 93: 1000.

Described as subgenus of *Toxopterella* Hille Ris Lambers, 1960.

Type species: *Toxopterella (Sorbobium) drepanosiphoides* MacGillivray & Bradley, 1961; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

***Spatulophorus*** Müller (F.P.), 1958

Publication reference: Beiträge zur Entomologie [Berlin], 8: 84.

Described as genus.

Type species: *Spatulophorus incanae* Müller (F.P.), 1958; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Spicaphis*** Essig, 1953

Publication reference: Proceedings of the California Academy of Science, (4), 28: 69.

Described as genus.

Type species: *Spicaphis michelbacheri* Essig, 1953; by original designation; Junior synonym of *Neuquenaphis chilensis* Essig, 1953.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Spicaphidinae — Subgenus of *Neuquenaphis* Blanchard (E.E.), 1939.

***Spinaphis*** Ghosh (L.K.), 1986

Publication reference: Monograph of the Zoological Survey of India, 16: 125.

Described as genus.

Type species: *Spinaphis multisetosa* Ghosh (L.K.); by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Spinaspidaphis*** Heinze, 1961

Publication reference: Beiträge zur Entomologie [Berlin], 11: 38.

Described as genus.

Type species: *Spinaspidaphis droserae* Heinze, 1961; by original designation; junior synonym of *Aphis lythri* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Myzus* Passerini, 1860.

***Sportaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 486.

Described as genus.

Type species: *Sportaphis sporta* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tenuilongiaphis* Zhang (G.-x.), 1993.

***Staegeriella*** Hille Ris Lambers, 1947

Publication reference: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 20 (7): 654.

Described as genus.

Type species: *Hydaphias necopinata* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Stagona*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 284.

Described as genus.

Type species: *Aphis xylostei* De Geer, 1773; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — Subgenus of *Prociphilus* Koch, 1857.

***Staticobium*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: *Staticobium otolepidis* Nevsky, 1928; by subsequent designation (Börner & Schilder, 1930: 192).

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberculaminatus* Ivanovskaja, 1975, and perhaps *Turanaphis* Mordvilko, 1914.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Stauroceras*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 2.

Described as genus.

Type species: *Staurocera chaetosiphon* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterocomma* Buckton, 1879.

***Stegophylla*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 146.

Described as genus.

Type species: *Phyllaphis quercicola* Baker (A.C.), 1916; by original designation; junior synonym of *Callipterus quercicola* Monell, 1879.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Stellariopsis*** Szelegiewicz, 1969

Publication reference: Annales Zoologici [Warszawa], 27: 173.

Described as genus.

Type species: *Stellariopsis songini* Szelegiewicz, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Stenaphis*** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 185.

Described as genus.

Type species: *Stenaphis monticellii* Del Guercio, 1914; by monotypy; junior synonym of *Aphis maidis* Fitch, 1856.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

***Stenaphis*** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 40.

Described as genus.

Type species: *Saltusaphis elongata* Baker (A.C.), 1917; by original designation.

Objective status: Available but invalid — Junior homonym of *Stenaphis* Del Guercio, 1914.

Useful information about the objective status: Replaced by *Strenaphis* Quednau, 2008 (*nomen novum*).

***Stephensonia*** Das (B.), 1918

Publication reference: *Memoirs of the Indian Museum*, 6: 175.

Described as genus.

Type species: *Stephensonia lahorensis* Das (B.), 1918; by monotypy; junior synonym of *Aphis rufomaculata* Wilson, 1908.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Coloradoa* Wilson, 1910.

***Sternaphis*** Heie, 1972

Publication reference: *Steenstrupia*, 2: 257.

Described as genus.

Type species: *Sternaphis electricola* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Neophyllaphidinae.

***Stomaphis*** Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 2000.

Described as genus.

Type species: *Aphis quercus* Linnaeus, 1758; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Macrhynchus* Haupt, 1913, *Neostomaphis* Takahashi, 1960, *Parastomaphis* Pašek, 1953, and *Rhynchocles* Altum, 1882.

Taxonomic position: Aphididae Lachninae Lachnini.

***Strenaphis*** Quednau, 2008

Publication reference: Favret, Miller, Nieto Nafría & Cortés Gabaudan, *Transactions of the American Entomological Society*, 133 [2007]: 366.

Described as genus.

Type species: *Saltusaphis elongata* Baker (A.C.), 1917; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Stenaphis* Quednau, 1954.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Subacyrthosiphon*** Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 260.

Described as genus.

Type species: *Subacyrthosiphon cryptobium* Hille Ris Lambers, 1947; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Subaiceona*** Singh & Raychaudhuri (D.N.), 1978

Publication reference: Proceedings of the Zoological Society of [Calcutta], 28 (2) [1975]: 156.

Described as genus.

Type species: *Subaiceona manipurensis* Singh & Raychaudhuri (D.N.), 1978; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aiceoninae — Subgenus of *Aiceona*, Takahashi 1921.

***Subanoecia*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 259.

Described as subgenus of *Anoecia* Koch, 1857.

Type species: *Schizoneura vagans* Koch, 1856; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Anoecia* Koch, 1857.

***Subcallipterus*** Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineteta Imperatorskago Varshavskago Universiteta, 8: 53.

Described as genus.

Type species: *Aphis alni* Fabricius, 1781; by original designation; junior synonym of *Aphis alni* De Geer, 1773.

Objective status: Available but invalid — Junior objective synonym of *Pterocallis* Passerini, 1860.

***Subcinara*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 59.

Described as subgenus of *Cinara* Curtis, 1835.

Type species: *Cinara brauni* Börner, 1940; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Subiziphya* Quednau, 1990**

Publication reference: Canadian Entomologist, 122: 911.

Described as genus.

Type species: *Subiziphya clauseni* Quednau, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Saltusaphidinae Saltusaphidini.

***Sublachnobiis* Heinze, 1962**

Publication reference: Deutsche Entomologische Zeitschrift, (N.F.), 9 (1-2): 180.

Described as genus.

Type species: *Lachnus wichmanni* Hille Ris Lambers, 1956; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Lachnus* Burmeister, 1835.

***Submacrosiphon* Börner, 1952**

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 136.

Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; denoted by unjustified emendation (Article 67.8); replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available but invalid — Unjustified emendation & Junior objective synonym of *Submacrosiphum* Hille Ris Lambers, 1931.

***Submacrosiphum* Hille Ris Lambers, 1931**

Publication reference: Memorie del Museo Civico di Storia Naturale della Venezia Tridentina (ser. 2, Sezione Scienze della Vita), 1 (1-2): 22.

Described as genus.

Type species: *Aphis hieracii* Kaltenbach, 1843; by original designation; Replaced by *Submacrosiphum nigrum* Hille Ris Lambers, 1931.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Submacrosiphon* Börner, 1952.

Subjective status: Junior synonym of *Nasonovia* Mordvilko, 1914.

***Submegoura* Hille Ris Lambers, 1953**

Publication reference: Temminckia, 9: 3.

Described as subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

Type species: *Myzotoxoptera heikinheimoi* Börner, 1952; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920.

***Subovatomyzus*** Basu (A.N.), 1964

Publication reference: Journal of the Linnean Society, (Zoology), 45: 241.

Described as genus.

Type species: *Subovatomyzus leucosceptri* Basu (A.N.), 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Subsaltusaphis*** Quednau, 1952

Publication reference: Börner: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gesellschaft, Beiheft 3 (2): 465.

Described as genus.

Type species: *Saltusaphis intermedia* Hille Ris Lambers, 1939; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Name treated as a junior synonym of *Saltusaphis* Theobald, 1915 (Börner, over the Quednau's proposition as genus) and consequently unavailable, but it was made available when it was adopted as the name of a genus (Quednau, 1953, Zoologischer Anzeiger, 150: 224).

Subjective status: Valid — Senior synonym of *Bacillaphis* Quednau, 1954.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — With subgenera *Subsaltusaphis* and *Primoriaphis* Quednau & Shaposhnikov, 1988.

***Subtakecallis*** Raychaudhuri (D.N.) & Pal, 1974

Publication reference: Oriental Insects, 8: 96.

Described as genus.

Type species: *Cranaphis pilosa* David, Rajasingh & Narayanan, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.



***Succaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 110.

Described as genus.

Type species: *Succaphis holgeri* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Pterastheniinae.

***Succinaphis* Heie, 1967**

Publication reference: *Spolia Zoologica Musei Hauniensis*, 26: 173.

Described as genus.

Type species: *Succinaphis flauensgaardi* Heie, 1967; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Sumatraphis* Takahashi, 1935**

Publication reference: *Miscellanea Zoologica Sumatrana*, 97: 2.

Described as genus.

Type species: *Sumatraphis celti* Takahashi, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Cervaphidini.

***Sumoia* Tao, 1963**

Publication reference: *Taiwan Plant Protection Bulletin*, 5: 176.

Described as genus.

Type species: *Macrosiphum taiwanum* Takahashi, 1923; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neomyzus* van der Goot, 1915.

***Sunaphis* Hong & Wang, 1990**

Publication reference: *Shandong Bureau of Geology and Mineral Resources*: 77.

Described as genus.

Type species: *Sunaphis shandongensis* Hong & Wang, 1990; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae.

***Surcaudaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 487.

Described as genus.

Type species: *Surcaudaphis supericauda* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Swirskiaphis*** Hille Ris Lambers, 1966

Publication reference: Israel Journal of Agricultural Research, 6: 25.

Described as genus.

Type species: *Swirskiaphis polychaeta* Hille Ris Lambers, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Sychnobrochus*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 268.

Described as genus.

Type species: *Sychnobrochus reviviscens* Scudder, 1890; by monotypy; junior synonym of *Schizoneuroides scudderi* Buckton, 1883.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mindarus* Koch, 1857.

***Symyobius*** Mordvilko, 1894

Publication reference: Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta, 8: 65.

Described as genus.

Type species: *Aphis oblonga* von Heyden, 1837; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Yezocallis* Matsumura, 1917.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina. With subgenera *Symyobius* and *Antisymyobius* Qiao & Zang (G.-x.), 2002.

***Synthripaphis*** Quednau, 1954

Publication reference: Mitteilungen aus der Biologischen Zentralanstalt für Land- und Forstwirtschaft, 78: 38.

Described as genus.

Type species: *Synthriaphis cyperi* Quednau, 1954; by original designation &

application of the ICZN 11.10 & 67.13; Junior synonym of *Callaphis caricis* Mordvilko, 1921.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thripsaphis* Gillette, 1917.

***Szelegiewicziana*** Özdikem & Demir, 2007

Publication reference: *Munis Entomology and Zoology*, 2 (2): 437.

Described as genus.

Type species: *Mariaella lambersi* Szelegiewicz, 1961; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Barbagallo, *in press*, 2010) instead of *Szelegiewiczia* Özdikem & Demir, 2007 which is unavailable (Articles 32.2.1 & 32.4).

Useful information about the objective status: Replacement name (*nomen novum*) for *Mariaella* Szelegiewicz, 1961.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Szelegiewiczziella*** Holman, 1974

Publication reference: *Acta Entomologica Bohemoslovaca*, 71: 239.

Described as genus.

Type species: *Szelegiewiczziella chamaerhodi* Holman, 1974; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Tactilotrama*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 242.

Described as subgenus of *Protrama* Baker (A.C.), 1920.

Type species: *Trama antennata* Mordvilko, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neotrama* Baker (A.C.), 1920.

***Taiwanaphis*** Takahashi, 1934

Publication reference: *Stylops*, 3: 56.

Described as genus.

Type species: *Taiwanaphis decaspermi* Takahashi, 1934; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Paracallipterus* Raychaudhuri (D.N.) & Ghosh (A.K.), 1964.

Taxonomic position: Aphididae Taiwanaphidinae — With subgenera *Taiwanaphis*, and *Sensoriaphis* Cottier, 1953.

***Taiwanomyzus*** Tao, 1963

Publication reference: Taiwan Plant Protection Bulletin, 5: 179.

Described as genus.

Type species: *Myzus montanus* Takahashi, 1925; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Takecallis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 373.

Described as genus.

Type species: *Takecallis bambusae* Matsumura, 1917; by original designation; junior synonym of *Callipterus arundicolens* Clarke, 1903.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Tamalia*** Baker (A.C.), 1920

Publication reference: Bulletin of the United States Department of Agriculture, 826: 24.

Described as genus.

Type species: *Pemphigus coweni* Cockerell, 1905; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Tamaliinae.

***Taoia*** Quednau, 1973

Publication reference: Canadian Entomologist, 105: 217.

Described as genus.

Type species: *Euceraphis chuansiensis* Tao, 1963; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Calaphidini Calaphidina.

***Tartaraphis*** Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989

Publication reference: Shandong Geology, 5 (1): 34.

Described as genus.

Type species: *Tartaraphis peregrina* Zhang (J.-f.), Zhang (S.), Hou & Ma, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Sinaphididae.

***Tauricaphis*** Mamontova, 1984

Publication reference: Konova [Ed.], Taksonomiya i Zoogeografiya Nasekomykh: 13.

Described as genus.

Type species: *Tauricaphis arabisi* Mamontova, 1984; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tavaresiella*** Del Guercio, 1911

Publication reference: Redia, 7: 299.

Described as genus.

Type species: *Tavaresiella suberi* Del Guercio, 1911; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thelexes* Westwood, 1840.

***Telocallis*** Shinji, 1922

Publication reference: Dôbutsugaku Zasshi, 34: 731.

Described as genus.

Type species: *Telocallis alnifoliae* Shinji, 1922; by monotypy; junior synonym of *Sappocallis ulmicola* Matsumura, 1919.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappocallis* Matsumura, 1919.

***Tenuilongiaphis*** Zhang (G.-x.), 1993

Publication reference: Zhang (G.-x.) & Zhong, Critical Issues in Aphid Biology [Kindlmann & Dixon (Eds.)]: 140.

Described as genus.

Type species: *Tenuilongiaphis stata* Zhang (G.-x.) & Zhong, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sportaphis* Zhang (G.-x.), Chen,

Zhong & Li, 1999.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tenuisiphon*** Mordvilko, 1948

Publication reference: Tarbinski & Plaviltshikov [Ed.], *Opredelitel' nasekomyh evropeyskoy chasti SSSR*: 215.

Described as genus.

Type species: *Acyrthosiphon gossypii* Mordvilko, 1914; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

***Tephraphis*** Scudder, 1890

Publication reference: Report of the United States Geological Survey of the Territories, 13: 258.

Described as genus.

Type species: *Siphonophoroides simplex* Buckton, 1890; by subsequent designation (Heie, 1967: 205).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Siphonophoroides* Buckton, 1883.

***Tertiaphis*** Heie, 1969

Publication reference: *Mitteilungen aus dem Geologisch-Paläontologischen Instituts der Universität Hamburg*, 38: 144.

Described as genus.

Type species: *Tertiaphis haentzscheli* Heie, 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lizeriinae.

***Testataphis*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 252.

Described as genus.

Type species: *Amphorophora ledi* Wahlgren, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Neoamphorophora* Mason, 1924.

***Tetraneura*** Hartig, 1841

Publication reference: *Zeitschrift für Entomologie* (Germar), 3 (2): 366.

Described as genus.

Type species: *Aphis gallarumulmi* De Geer, 1773; by subsequent monotypy (Kaltenbach, 1843: 189) [misspelled as *Aphis ulmi*]; junior synonym of *Aphis*

*ulmi* Linnaeus, 1758.

Objective status: Available & potentially valid.

Useful information about the objective status: Name placed in the Official Lists of Generic Names in Zoology [Opinion 1019; name number 2000].

Replacement name of *Amycla* Koch, 1857, and *Byrsocrypta* Hartig, 1841.

Subjective status: Valid — Senior synonym of *Dryopeia* Kirkaldy, 1904, and *Endeis* Koch, 1857.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — With subgenera *Tetraneura*, *Indotetraneura* Chakrabarti & Maity, 1978, and *Tetraneurella* Hille Ris Lambers, 1970.

***Tetraneurella*** Hille Ris Lambers, 1970

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 9 [1968-69]: 24.

Described as subgenus of *Tetraneura* Hartig, 1841.

Type species: *Dryopeia hirsuta* Baker (A.C.), 1921; by original designation; junior synonym of *Schizoneura nigriabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini — Subgenus of *Tetraneura* Hartig, 1841.

***Tetraneurites*** Heie, 2002

Publication reference: Mainzer Naturwissenschaftliches Archiv, 40: 119.

Described as genus.

Type species: *Tetraneura provincialis* Theobald, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phyllaphidinae.

***Tetraphis*** Horváth, 1896

Publication reference: Wiener Entomologische Zeitung, 15 (1): 6.

Described as genus.

Type species: *Tetraphis betulina* Horváth, 1896; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Hamamelistes* Shimer, 1867.

***Thalictrophorus*** Zhang (G.-x.) & Qiao, 2000

Publication reference: Qiao, Zhang (G.-x.) & Zhao (F.), Acta Zootaxonomica Sinica, 25: 56.

Described as genus.

Type species: *Thalictrophorus thalictrophilus* Zhang (G.-x.), Qiao & Zhao,

2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Thargelia*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 127.

Described as genus.

Type species: *Aphis albipes* Oestlund, 1887; by original designation; junior synonym of *Aphis symphoricarpi* Thomas, 1878.

Objective status: Available but invalid — Junior homonym of *Thargelia* Puengelev, 1899 (Lepidoptera) and *Thargelia* Goodman & Salvin, 1900 (Lepidoptera).

Useful information about the objective status: Replaced by *Aphthargelia* Hottes, 1958 (*nomen novum*).

***Thecabius*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 294.

Described as genus.

Type species: *Thecabius populneus* Koch, 1857; by monotypy; junior synonym of *Pemphigus affinis* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Bucktonia* Lichtenstein, 1896, and *Thelazacallis* Zhang (G.-x.), 2000.

Taxonomic position: Aphididae Eriosomatinae Pemphigini — With subgenera *Thecabius*, *Oothecabius* Zhang (G.-x.), Zhong & Qiao, 1995, and *Parathecabius* Börner, 1950.

***Thelaxes*** Westwood, 1840

Publication reference: An introduction to the modern classification of Insects, vol II: 118.

Described as genus.

Type species: *Thelaxes quercicola* Westwood, 1840; by monotypy; junior synonym of *Aphis dryophila* Schrank, 1801.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tavaresiella* Del Guercio, 1911.

Taxonomic position: Aphididae Thelaxinae.

***Thelazacallis*** Zhang (G.-x.), 2000

Publication reference: Qiao & Zhang (G.-x.), Entomotaxonomia, 22 (1): 27.

Described as genus.



Type species: *Thelazacallis ranunclicola* Qiao & Zhang (G.-x.), 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thecabius* Koch, 1857.

***Therioaphis*** Walker, 1870

Publication reference: *Zoologist*, (ser. 2), 5: 1999.

Described as genus.

Type species: *Aphis ononidis* Kaltenbach, 1846; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Therioaphis*, *Pterocallidium* Börner, 1949, and *Rhizoberlesia* Del Guercio, 1915.

***Thomasia*** Wilson, 1910

Publication reference: *Canadian Entomologist*, 42: 386.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; by original designation.

Objective status: Available but invalid — Junior homonym of *Thomasia* Poche, 1908 (Mammalia), and of *Thomasia* Rübsaamen, 1910 (Diptera).

Useful information about the objective status: Replaced by *Thomasiniellula* Strand, 1917 (*nomen novum*), and by *Neothomasia* Baker (A.C.), 1920 (*nomen novum*).

***Thomasiniellula*** Strand, 1917

Publication reference: *Archiv für Naturgeschichte*, (A), 82 (5) [1916]: 82.

Described as genus.

Type species: *Chaitophorus populicola* Thomas, 1878; denoted by new replacement name (Article 67.8).

Objective status: Available & potentially valid.

Useful information about the objective status: Replacement name (*nomen novum*) for *Thomasia* Wilson, 1910. Senior objective synonym of *Neothomasia* Baker (A.C.), 1920.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Thoracaphis*** van der Goot, 1917

Publication reference: *Koningsberger, Contributions a la Faune des Indes Néerlandaises*, 1 (3): 242.

Described as genus.

Type species: *Thoracaphis arboris* van der Goot, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Xenothoracaphis* Takahashi, 1958.

Taxonomic position: Aphididae Hormaphidinae Nipponaphidini.

***Thripsaphis*** Gillette, 1917

Publication reference: Canadian Entomologist, 49: 193.

Described as genus.

Type species: *Brachycolus ballii* Gillette, 1908; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Trichocallis* Börner, 1930, and *Synthripaphis* Quednau, 1954.

Taxonomic position: Aphididae Saltusaphidinae Thripsaphidini — With subgenera *Thripsaphis*, *Larvaphis* Ossiannilsson, 1953, and *Neobacillaphis* Huculak, 1968.

***Thuleaphis*** Hille Ris Lambers, 1960

Publication reference: Meddelelser om Grønland, 159: 7.

Described as genus.

Type species: *Thuleaphis acaudata* Hille Ris Lambers, 1960; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Mordvilkomemor* Shaposhnikov, 1950.

***Tiliaphis*** Takahashi, 1961

Publication reference: Kontyû, 29: 251.

Described as genus.

Type species: *Therioaphis shinae* Shinji, 1924; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Tiliphagus*** Smith, 1965

Publication reference: Annals of the Entomological Society of America, 58: 782.

Described as genus.

Type species: *Tiliphagus lycoposugus* Smith, 1965; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Tinocallis*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7: 100.

Described as genus.

Type species: *Tinocallis ulmiparvifoliae* Matsumura, 1919; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Lutaphis* Shinji, 1924.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina — With subgenera *Tinocallis*, *Eotinocallis* Quednau, 2003, *Orientinocallis* Quednau, 2003, and *Sappocallis* Matsumura, 1919.

***Tinocalloides*** Basu (A.N.), 1969

Publication reference: *Oriental Insects*, 3: 367.

Described as genus.

Type species: *Tinocalloides montanus* Basu (A.N.), 1969; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Tuberdefectus* Kumar & Lavigne, 1970.

Taxonomic position: Aphididae Calaphidinae Panaphidini Panaphidina.

***Titanosiphon*** Nevsky, 1928

Publication reference: *Entomologische Mitteilungen* [Berlin-Dahlem], 17 (3): 189.

Described as genus.

Type species: *Titanosiphon bellicosum* Nevsky, 1928; by original designation; Junior synonym of *Macrosiphum neoartemisiae* Takahashi, 1921.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tlja*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 73.

Described as genus.

Type species: *Siphonophora lactucae* Passerini, 1860; by subsequent designation (Mordvilko, 1932: 55).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Acyrthosiphon* Mordvilko, 1914.

***Todolachnus*** Matsumura, 1917

Publication reference: *Journal of the College of Agriculture, Tohoku Imperial University*, 7 (6): 381.

Described as genus.

Type species: *Todolachnus abietis* Matsumura, 1917; by original designation;

junior synonym of *Cinara matsumurana* Hille Ris Lambers, 1966.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Cinara* Curtis, 1835.

***Toltecallis*** Remaudière & Quednau, 1983

Publication reference: Canadian Entomologist, 115: 637.

Described as subgenus of *Tuberculatus* Mordvilko, 1894.

Type species: *Tuberculatus (Toltecallis) mexicanus* Remaudière & Quednau, 1983; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Toxoptera*** Koch, 1856

Publication reference: Pflanzenläuse Aphiden, (8): 253.

Described as genus.

Type species: *Toxoptera aurantiae* Koch, 1856; by monotypy; junior synonym of *Aphis aurantii* Boyer de Fonscolombe, 1841.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Arimakia* Matsumura, 1917, *Ceylonia* Buckton, 1891, *Paratoxoptera* Blanchard (E.E.), 1944, and *Somaphis* Shinji, 1929.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Toxopterella*** Hille Ris Lambers, 1960

Publication reference: Canadian Entomologist, 92: 263.

Described as genus.

Type species: *Toxopterella canadensis* Hille Ris Lambers, 1960; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Muscaphis* Börner, 1933.

***Toxopterina*** Börner, 1940

Publication reference: Neue Blattläuse aus Mitteleuropa: 3.

Described as genus.

Type species: *Toxoptera vandergooti* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Trachaphis*** Hong, 2002

Publication reference: Amber Insect of China: 37.

Described as genus.

Type species: *Trachaphis latipedis* Hong, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Phloeomyzinae.

***Trama*** von Heyden, 1837

Publication reference: Museum Senckenbergianum Abhandlungen aus dem Gebiete der Beschreibenden Naturforschenden Gesellschaft in Frankfurt am Main at My Garden, 2 (3): 293.

Described as genus.

Type species: *Trama troglodytes* von Heyden, 1837; by monotypy.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Tramini — With subgenera *Trama* and *Neotrama* Baker (A.C.), 1920.

***Tramaforda*** Manheim, 2007

Publication reference: Israel Journal of Entomology, 37: 48.

Described as genus.

Type species: *Tramaforda wooli* Manheim, 2007; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Fordini.

***Tranaphis*** Walker, 1870

Publication reference: Zoologist, (ser. 2), 5: 1999.

Described as genus.

Type species: *Aphis salicivora* Walker, 1848; by original designation; junior synonym of *Aphis capreae* Mosley, 1841.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Chaitophorus* Koch, 1854.

***Tricaudatus*** Narzikulov, 1957

Publication reference: Entomologicheskoe Obozrenie, 36 (3): 683.

Described as genus.

Type species: *Rhopalosiphoninus polygona* Narzikulov, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Trichaitophorus*** Takahashi, 1937

Publication reference: *Annotationes Zoologicae Japonensis*, 16 (1): 17.

Described as genus.

Type species: *Trichaitophorus aceris* Takahashi, 1937; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Trichocallis*** Börner, 1930

Publication reference: *Archiv für Klassifikatorische und Phylogenetische Entomologie*, 1 (2): 127.

Described as genus.

Type species: *Allaphis caricis* Mordvilko, 1921 [lectotypes designated by Quednau (2010: 77)]; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thripsaphis* Gillette, 1917.

***Trichonaphis*** Shinji, 1930

Publication reference: *Lansania*, 2: 73.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini

***Trichoregma*** Takahashi, 1929

Publication reference: *Transactions of the Natural History Society of Formosa*, 19: 252.

Described as genus.

Type species: *Oregma bambusifoliae* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Astegopteryx* Karsch, 1890.

***Trichosiphonaphis*** Takahashi, 1922

Publication reference: *Proceedings of the Entomological Society of Washington*, 24: 205.

Described as genus.

Type species: *Myzus polygoniformosanus* Takahashi, 1921; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Trichosiphonaphis* and *Xenomyzus* Aizenberg, 1935.

***Trichosiphoniella*** Shinji, 1929

Publication reference: *Lansania*, 1: 46.

Described as genus.

Type species: *Aphis spinosula* Essig & Kuwana, 1918; by original designation; junior synonym of *Myzus sakurae* Matsumura, 1917.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafria, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Trichonosiphoniella* Shinji, 1929 and of *Trichonosiphuniella* Shinji, 1929 which are unavailable (Articles 32.2.1 & 32.4).

Subjective status: Junior synonym of *Tuberocephalus* Shinji, 1929.

***Trichosiphum*** Pergande, 1906

Publication reference: *Entomological News* 17: 206.

Described as genus.

Type species: *Trichosiphum anonae* Pergande, 1906; by subsequent designation (Wilson, 1910: 316).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini — Subgenus of *Greenidea* Schouteden, 1905.

***Trifidaphis*** Del Guercio, 1909

Publication reference: *Rivista di Patologia Vegetale* (Pavia), (N.S.), 3: 332.

Described as genus.

Type species: *Pemphigus radicolica* Essig, 1909; by original designation; junior synonym of *Smynthuodes betae* Westwood, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smynthuodes* Westwood, 1849.

***Trilobaphis*** Theobald, 1922

Publication reference: *Entomologist's Monthly Magazine*, 58: 137.

Described as genus.

Type species: *Trilobaphis caricis* Theobald, 1922; by original designation; junior synonym of *Vesiculaphis theobaldi* Takahashi, 1930.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Vesiculaphis* Del Guercio, 1911.

***Trinacriella*** Del Guercio, 1914

Publication reference: Redia, 9 [1913]: 169.

Described as genus.

Type species: *Trinacriella magnifica* Del Guercio, 1913; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geoica* Hart, 1894.

***Triocula*** Rusanova, 1943

Publication reference: Izvestiya Azerbaidzhanskogo Filiala Akademii Nauk SSSR, 4: 30.

Described as genus.

Type species: *Triocula distorta* Rusanova, 1943; by original designation.

Objective status: Available & potentially valid.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Triphyllaphis*** Börner, 1949

Publication reference: Beiträge sur Taxonomischen Zoologie, 1: 48.

Described as genus.

Type species: *Triphyllaphis luteola* Börner, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Pterocallidium* Börner, 1949.

***Tritogenaphis*** Oestlund, 1923

Publication reference: Nineteenth Report [1922] of the State Entomologist of Minnesota: 142.

Described as genus.

Type species: *Aphis rudbeckiae* Fitch, 1851; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Uroleucon* Mordvilko, 1914.

***Tritrichosiphum*** Robinson, 1972

Publication reference: Canadian Entomologist, 104: 606.

Described as genus.

Type species: *Tritrichosiphum thailandicum* Robinson, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Greenideinae Greenideini.



***Truncaphis*** Theobald, 1918

Publication reference: *Entomologist*, 51: 25.

Described as genus.

Type species: *Truncaphis newsteadi* Theobald, 1918; by monotypy; junior synonym of *Byrsocrypta rhois* Fitch, 1866.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melaphis* Walsh, 1867.

***Tshernovaia*** Holman & Szelegiewicz, 1964

Publication reference: *Bulletin de l'Académie Polonaise des Sciences, (ser. 2, Sciences Biologiques)*, 12: 351.

Described as genus.

Type species: *Tshernovaia adenophorae* Holman & Szelegiewicz, 1964; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tsugaphis*** Takahashi, 1967

Publication reference: *Proceedings of the Royal Entomological Society of London, (B)*, 26 (7-8): 107.

Described as genus.

Type species: *Tsugaphis sorini* Takahashi, 1957; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Tubaphis*** Hille Ris Lambers, 1947

Publication reference: *Temminckia*, 7: 312.

Described as genus.

Type species: *Aphis ranunculina* Walker, 1852; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tuberaphis*** Takahashi, 1933

Publication reference: *Stylops*, 2: 27.

Described as genus.

Type species: *Tuberaphis coreanus* Takahashi, 1933; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Hamiltonaphis* Aoki, Kurosu

& Fukatsu, 1993, *Neotuberaphis* Pal & Raychaudhuri (D.N.), 1980, and *Rappardiella* Noordam, 1991.

Taxonomic position: Aphididae Hormaphidinae Cerataphidini.

***Tuberculaminatus*** Ivanovskaja, 1975

Publication reference: Cherepanov [Ed.] *Novye i Maloizvestnye Vidy Fauny Sibiri*, 9: 26.

Described as genus.

Type species: *Tuberculaminatus zolotarenkoi* Ivanovskaja, 1975; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Staticobium* Mordvilko, 1914.

***Tuberculaphis*** Börner, 1952

Publication reference: *Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar*, 4 (1), & *Mitteilungen der Thüringischen Botanischen Gessellschaft*, Beihaft 3 (1): 246.

Described as subgenus of *Toxoptera* Börner, 1940.

Type species: *Doralina taraxacicola* Börner, 1940; by original designation.

Objective status: Available but invalid — Junior homonym of *Tuberculaphis* Theobald, 1918.

Useful information about the objective status: Replaced by *Papillaphis* Börner, 1952 (*nomen novum*).

***Tuberculaphis*** Theobald, 1918

Publication reference: Das (B.), *Memoires of the Indian Museum*, 6: 174.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Tuberculaphis* Börner, 1952.

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tuberculatus*** Mordvilko, 1894

Publication reference: *Raboty iz Laboratorii Zoologicheskago Kabineta Imperatorskago Varshavskago Universiteta*, 8: 60.

Described as genus.

Type species: *Aphis quercea* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid. Senior synonym of *Camelaphis* Hille Ris Lambers, 1974

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — With subgenera *Tuberculatus*, *Acanthocallis* Matsumura, 1917, *Acanthotuberculatus* Quednau, 1999, *Arakawana* Matsumura, 1917, *Nippocallis* Matsumura, 1917, *Nippotuberculatus* Quednau, 1999, *Orientuberculoides* Hille Ris Lambers, 1974, *Pacificallis* Richards, 1965, *Toltecallis* Remaudière & Quednau, 1983, and *Tuberculooides* van der Goot, 1915.

***Tuberculooides*** van der Goot, 1915

Publication reference: Beiträge zur Kenntnis der Holländischen Blattläuse: 312.

Described as genus.

Type species: *Aphis quercus* Kaltenbach, 1843; by original designation; junior synonym of *Aphis annulata* Hartig, 1841.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafria, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Neotuberculatus* van der Goot, 1915 which is unavailable (Articles 32.2.1 & 32.4).

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina — Subgenus of *Tuberculatus* Mordvilko, 1894.

***Tuberdefectus*** Kumar & Lavigne, 1970

Publication reference: Pan-Pacific Entomologist, 46: 120.

Described as genus.

Type species: *Tuberdefectus eastopi* Kumar & Lavigne, 1970; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Tinocalloides* Basu (A.N.), 1969.

***Tuberoaphis*** Tseng & Tao, 1938

Publication reference: Journal of Western China Border Research Society, 8: 207.

Described as genus.

Type species: *Tuberoaphis hydrangeae* Tseng & Tao, 1938; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tuberocallis*** Nevsky, 1929

Publication reference: Zoologische Anzeiger, 82: 221.

Described as genus.

Type species: *Tuberocephalus saltans* Nevsky, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Sappocallis* Matsumura, 1919.

***Tuberocephalus* Shinji, 1929**

Publication reference: *Lansania*, 1: 39.

Described as genus.

Type species: *Tuberocephalus artemisiae* Shinji, 1929; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Akkaiopsis* Zhang (G.-x.), Chen, Zhong & Li, 1999, *Heterogenaphis* Ivanovskaja-Shubina, 1966, *Mutillaphis* Zhang (L.) & Zhang (G.-x.), 2001, *Surcaudaphis* Zhang (G.-x.), Chen, Zhong & Li, 1999, and *Trichosiphoniella* Shinji, 1929.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tuberoecorpus* Shinji, 1929**

Publication reference: *Lansania*, 1: 48.

Described as genus.

Type species: *Anoecia onigurumi* Shinji, 1923; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior homonym of *Tuberoecorpus* Shinji, 1932.

Subjective status: Junior synonym of *Kurisakia* Takahashi, 1924.

***Tuberoecorpus* Shinji, 1932**

Publication reference: *Ôyô Dôbutsugaku Zasshi*, 4: 120.

Described as genus.

Type species: *Tuberoecorpus onigurumi* Shinji, 1932; by original designation; junior synonym of *Glyphina rhusae* Shinji, 1922.

Objective status: Available but invalid — Junior homonym of *Tuberoecorpus* Shinji, 1929.

Useful information about the objective status: Replaced by *Dasyaphis* Takahashi, 1938 (*nomen novum*).

***Tuberodryobius* Das (B.), 1918**

Publication reference: *Memoirs of the Indian Museum*, 6: 259.

Described as genus.

Type species: *Lachnus persicae* Cholodkovsky, 1899; by original designation.

Objective status: Available but invalid — Junior objective synonym of *Pterochloroides* Mordvilko, 1914.

***Tuberolachniella* Hille Ris Lambers & Basu (A.N.), 1966**

Publication reference: *Entomologische Berichten [Amsterdam]*, 26: 34.

Described as subgenus of *Tuberolachnus* Mordvilko, 1909.

Type species: *Tuberolachnus (Tuberolachniella) sclerata* Hille Ris Lambers & Basu (A.N.), 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini — Subgenus of *Tuberolachnus* Mordvilko, 1909.

***Tuberolachnus* Mordvilko, 1909**

Publication reference: Ezhegodnik Zoologicheskago Muzeya Imperatorskoiy Akademii Nauk, 13 (4) [1908]: 374.

Described as genus.

Type species: *Aphis viminalis* Boyer de Fonscolombe, 1841; by original designation; junior synonym of *Aphis saligna* Gmelin, 1790.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Lachninae Lachnini — With subgenera *Tuberolachnus* and *Tuberolachniella* Hille Ris Lambers & Basu (A.N.), 1966.

***Tuberosiphum* Shinji, 1922**

Publication reference: Dôbutsugaku Zasshi, 34: 789.

Described as genus.

Type species: *Tuberosiphum impatiens* Shinji, 1922; by subsequent designation (Takahashi, 1930: 15).

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Impatientinum* Mordvilko, 1914.

***Tubicauda* Chakrabarti & Bhattacharya, 1982**

Publication reference: Annales Zoologici [Warszawa], 36: 542.

Described as genus.

Type species: *Tubicauda hydrangeae* Chakrabarti & Bhattacharya, 1982; by original designation.

Objective status: Available but invalid — Junior homonym of *Tubicauda* Jousseume, 1880 (Mollusca).

Useful information about the objective status: Replaced by *Chakrabartiaphis* Remaudiere, 2001 (*nomen novum*).

***Tullgrenia* van der Goot, 1912**

Publication reference: Tijdschrift voor Entomologie, 55: 96.

Described as genus.

Type species: *Tychea phaseoli* Passerini, 1860; by original designation; junior synonym of *Smynthuroides betae* Westwood, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Smynthurodes* Westwood, 1849.

***Tumoranuraphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 494.

Described as genus.

Type species: *Tumoranuraphis cerasophila* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation; Junior synonym of *Avecinnina indica* Chakrabarti & Maity, 1957.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Turanaphis*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 66.

Described as genus.

Type species: There is none.

Objective status: Available & potentially valid.

Subjective status: Nomen nudum (Possible junior synonym of *Staticobium* Mordvilko, 1914).

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Turanoleucon*** Kadyrbekov, 2002

Publication reference: Tethys Entomological Research, 6: 33.

Described as genus.

Type species: *Turanoleucon mitjaevi* Kadyrbekov, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Tychea*** Koch, 1857

Publication reference: Pflanzenläuse Aphiden, (9): 296.

Described as genus.

Type species: *Tychea graminis* Koch, 1857; by subsequent designation (Wilson, 1910: 155).

Objective status: Available & potentially valid.

Subjective status: Nomen dubium [an aphid or a cocid].

***Tycheoides*** Schouteden, 1906

Publication reference: Mémoires de la Société Entomologique de Belgique, 12:

194.

Described as genus.

Type species: *Tetraneura lentisci* Passerini, 1856; by monotypy & actuation of Nieto Nafria *et al.* (2010: 67) under the Article 70.3.2 of the ICZN.

Objective status: Available but invalid — Junior objective synonym of *Aploneura* Passerini, 1863.

Useful information about the objective status: Replacement name of *Neorhizobius* Del Guercio, 1917. Senior objective synonym of *Tycheoides* Schouteden, 1906.

***Uhlmannia*** Börner, 1952

Publication reference: Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 251.

Described as genus.

Type species: *Brachycolus singularis* Börner, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Uichancoella*** Calilung, 1975

Publication reference: Philippine Association of Entomologists, 2 (5) [1973]: 322.

Described as genus.

Type species: *Uichancoella gabrieli* Calilung, 1975; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Pemphigini.

***Umbelliferaria*** Shaposhnikov, 1964

Publication reference: Bei Bienko [Ed.], Opredelitel' nasekomykh evropeyskoy chasti SSSR, 1: 582.

Described as subgenus of *Dysaphis* Börner, 1931.

Type species: *Yezabura aizenbergi* Shaposhnikov, 1949; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Dysaphis* Börner, 1931.

***Unilachnus*** Wilson, 1919

Publication reference: Entomological News, 30: 5.

Described as genus.

Type species: *Lachnus parvus* Wilson, 1915; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Schizolachnus* Mordvilko, 1909.

***Unipterus*** Hall, 1932

Publication reference: *Stylops*, 1: 50.

Described as genus.

Type species: *Unipterus terminaliae* Hall, 1932; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Paoliella* Theobald, 1928.

***Unisitobion*** Takahashi, 1961

Publication reference: *Insecta Matsumurana*, 24: 104.

Described as genus.

Type species: *Macrosiphum sorbi* Matsumura, 1918; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Macrosiphum* Passerini, 1860.

***Uraphis*** Del Guercio, 1907

Publication reference: *Redia*, 4: 191.

Described as genus.

Type species: *Aphis genistae* Kaltenbach, 1843; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Uroleucon*** Mordvilko, 1914

Publication reference: *Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye*, 1 (1): 64.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis sonchi* Linnaeus, 1767; by subsequent designation (Börner, 1930: 141).

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Megalosiphum* Mordvilko, 1914.

Subjective status: Valid — Senior synonym of *Eurythaphis* Mordvilko, 1914, and *Tritogenaphis* Oestlund, 1923; *Dactynotus* Rafinesque, 1818 was used in a similar taxonomic sense of this genus.

Taxonomic position: Aphididae Aphidinae Macrosiphini — With subgenera *Uroleucon*, *Belochilum* Börner, 1931, *Divium* Pashchenko, 2000, *Lambersius* Olive, 1965, *Satula* Olive, 1963, and *Uromelan* Mordvilko, 1914.



***Uromelan*** Mordvilko, 1914

Publication reference: Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 64.

Described as subgenus of *Macrosiphum* Passerini, 1860.

Type species: *Aphis jaceae* Linnaeus, 1758; by subsequent designation (Hille Ris Lambers, 1939: 3).

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Uroleucon* Mordvilko, 1909.

***Utamphorophora*** Knowlton, 1946

Publication reference: Great Basin Naturalist, 7: 1.

Described as genus.

Type species: *Utamphorophora timpanogos* Knowlton, 1946; by original designation; junior synonym of *Myzus humboldti* Essig, 1941.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Sitomyzus* Hille Ris Lambers, 1952.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Verrucosa*** Poinar & Brown, 2005

Publication reference: Proceedings of the Entomological Society of Washington, 107: 836.

Described as genus.

Type species: *Verrucosa annulata* Poinar & Brown, 2005; by original designation.

Objective status: Available but invalid — Junior homonym of *Verrucosa* MacCook, 1888 (Araneida).

Useful information about the objective status: Replaced by *Parvaverrucosa* Poinar & Brown, 2006 (*nomen novum*).

***Vesiculaphis*** Del Guercio, 1911

Publication reference: Redia, 7: 463.

Described as genus.

Type species: *Toxoptera caricis* Fullaway, 1909; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Pentacercatinaphis* Ivanovskaja-Shubina, 1965, and *Trilobaphis* Theobald, 1922.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Viburnaphis*** Pashchenko, 1988

Publication reference: Zoologicheskii Zhurnal, 67 (10): 1580.

Described as genus.

Type species: *Viburnaphis pseudosensoriata* Pashchenko, 1988; by original designation; junior synonym of *Sappaphis viburnicola* Sorin, 1983.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Vitimaphis*** Shaposhnikov & Wegierek, 1989

Publication reference: Paleontologicheskii Zhurnal, 3: 47.

Described as genus.

Type species: *Vitimaphis rasnitsyni* Shaposhnikov & Wegierek, 1989; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Oviparosiphidae.

***Volutaphis*** Börner, 1939

Publication reference: Arbeiten über Physiologische und Angewandte Entomologie [Berlin-Dahlem], 6 (1): 80.

Described as subgenus of *Lipaphis* Mordvilko, 1928.

Type species: *Lipaphis (Volutaphis) centaureae* Börner, 1939; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Silenobium* Börner, 1939.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Wahlgreniella*** Hille Ris Lambers, 1949

Publication reference: Temminckia, 8: 246.

Described as genus.

Type species: *Rhopalosiphum arbuti* Davidson, 1910; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Wanyucallis*** Quednau, 1999

Publication reference: Contributions of the American Entomological Institute, 31: 54.

Described as genus.

Type species: *Myzocallis amblyopappos* Zhang (W.-y.) & Zhang (G.-x.), 1994;

by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Calaphidinae Panaphidini Myzocallidina.

***Wapuna*** Hottes & Wehrle, 1951

Publication reference: Proceedings of the Biological Society of Washington, 64: 47.

Described as subgenus of *Aphis* Linaeus, 1758.

Type species: *Aphis (Wapuna) tahosalea* Hottes & Wehrle, 1951; by original designation; Junior synonym of *Aphis sedi* Kaltenbach, 1843.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Watabura*** Matsumura, 1917

Publication reference: Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 88.

Described as genus.

Type species: *Watabura nishiyae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid; Alternative original spelling adopted by the first reviser (Nieto Nafría, Favret, Akimoto, Barbagallo, Chakrabarti, Mier Durante, Miller, Pérez Hidalgo, Qiao, Sano, Stekolshchikov & Wegierek, 2009) instead of *Watamushia* Matsumura, 1917 which is unavailable (Articles 32.2.1 & 32.4).

Subjective status: Nomen dubium.

Taxonomic position: Aphididae Eriosomatinae.

***Weibanaphis*** Zhang (G.-x.), Chen, Zhong & Li, 1999

Publication reference: Zhang (G.-x.) [Ed.], Fauna of Agricultural and Forestry Aphids of Northwest China: 507.

Described as genus.

Type species: *Weibanaphis alhagis* Zhang (G.-x.), Chen, Zhong & Li, 1999; by original designation.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Aphis* Linnaeus, 1758.

***Wilsonia*** Baker (A.C.), 1919

Publication reference: Canadian Entomologist, 51: 212.

Described as genus.

Type species: *Lachniella gracilis* Wilson, 1919; by original designation.

Objective status: Available but invalid — Junior homonym of *Wilsonia* Bonaparte, 1838 (Aves), of *Wilsonia* Clemens, 1864 (Lepidoptera), of *Wilsonia*

Kayser, 1871 (Brachiopoda), of *Wilsonia* Carter, 1885 (Porifera) and of *Wilsonia* Hudleston, 1896 (Mollusca).

Useful information about the objective status: Replaced by *Dilachnus* Baker (A.C.), 1919 (*nomen novum*).

***Xanthomyzus*** Narzikulov, 1966

Publication reference: Entomologicheskoe Obozrenie, 45 (3): 575.

Described as genus.

Type species: *Xanthomyzus glaucii* Narzikulov, 1966; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Acyrtosiphon* Mordvilko, 1914.

***Xenomyzus*** Aizenberg, 1935

Publication reference: Zapiski Bolchevskoy Biologicheskoy Stanzii, 7-8: 152.

Described as genus.

Type species: *Xenomyzus corticis* Aizenberg, 1935; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Acanthulipes* Börner, 1952, *Aphorodon* Takahashi, 1961, and *Metaphorodon* Takahashi, 1961.

Taxonomic position: Aphididae Aphidinae Macrosiphini — Subgenus of *Trichosiphonaphis* Takahashi, 1922.

***Xenopterygus*** Smith, 1948

Publication reference: Florida Entomologist, 31: 24.

Described as genus.

Type species: *Xenopterygus ipomoiae* Smith, 1948; by original designation; junior synonym of *Geoica floccosa* Moreira, 1925.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Geopemphigus* Hille Ris Lambers, 1933.

***Xenosiphonaphis*** Takahashi, 1961

Publication reference: Bulletin of the University of Osaka Prefecture, (Ser. B, Agriculture and Biology), 11: 6.

Described as genus.

Type species: *Xenosiphonaphis conandri* Takahashi, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Xenothoracaphis*** Takahashi, 1958

Publication reference: Kontyû, 26: 184.

Described as genus.

Type species: *Thoracaphis kashifoliae* Uye, 1924; by original designation [misspelled as *kashiwae*].

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Thoracaphis* van der Goot, 1917.

***Xerobion*** Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Seriya VIII-a, Zoologiya), 3: 22.

Described as genus.

Type species: *Xerobion eriosomatium* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Absinthaphis* Remaudière, 1973.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina.

***Xerophilaphis*** Nevsky, 1928

Publication reference: Trudy Sredne-Aziatskogo Gosudarstvennogo Universiteta, (Seriya VIII-a, Zoologiya), 3: 4.

Described as genus.

Type species: *Xerophilaphis saxaulica* Nevsky, 1928; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Brachyunguis* Das (B.), 1918.

***Xilutianocallis*** Wang, 1991

Publication reference: Memoirs of Beijing Natural History Museum, 49: 4.

Described as genus.

Type species: *Xilutianocallis yangi* Wang, 1991; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae (Drepanosiphidae sensu Heie complex).

***Yamataphis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 412.

Described as genus.

Type species: *Yamataphis oryzae* Matsumura, 1917; by original designation; junior synonym of *Toxoptera rufiabdominalis* Sasaki, 1899.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Rhopalosiphum* Koch, 1854.

***Yamatocallis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 366.

Described as genus.

Type species: *Yamatocallis hirayamae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid — Senior synonym of *Chaitophoraphis* Shinji, 1923, *Megalocallis* Takahashi, 1963, and *Megalophyllaphis* Ghosh (M.R.), Ghosh (A.K.) & Raychaudhuri (D.N.), 1970.

Taxonomic position: Aphididae Drepanosiphinae.

***Yamatochaitophorus*** Higuchi, 1972

Publication reference: Insecta Matsumurana, 35: 98.

Described as genus.

Type species: *Trichaitophorus albus* Takahashi, 1961; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Chaitophorinae Chaitophorini.

***Yezabura*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 392.

Described as genus.

Type species: *Yezabura sasae* Matsumura, 1917; by original designation; junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Yezaphis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial University, 7: 411.

Described as genus.

Type species: *Yezaphis sasicola* Matsumura, 1917; by original designation; Junior synonym of *Aphis bambusae* Fullaway, 1910.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Melanaphis* van der Goot, 1917.

***Yezocallis*** Matsumura, 1917

Publication reference: Journal of the College of Agriculture, Tohoku Imperial

University, 7: 369.

Described as genus.

Type species: *Yezocallis kabae* Matsumura, 1917; by original designation.

Objective status: Available & potentially valid.

Useful information about the objective status: Senior objective synonym of *Antisymydobius* Qiao & Zhang (G.-x.), 2002.

Subjective status: Junior synonym of *Symydobius* Mordvilko, 1894.

***Yezosiphum*** Matsumura, 1919

Publication reference: Sapporo Hakubutsu Gakkai Kaihō, 7 (1): 7.

Described as genus.

Type species: *Yezosiphum thalictri* Matsumura, 1919; by original designation; junior synonym of *Aphis trirhoda* Walker, 1849.

Objective status: Available & potentially valid.

Subjective status: Junior synonym of *Longicaudus* van der Goot, 1913.

***Yueaphis*** Wang, 1993

Publication reference: Bulletin of the Chinese Academy of Geological Sciences, 27: 176.

Described as genus.

Type species: *Yueaphis fushunensis* Wang, 1993; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Hormaphidinae.

***Zelkovaphis*** Barbagallo, 2002

Publication reference: Bolletino di Zoologia Agraria e di Bachicoltura, (ser. 2), 34 (3): 282.

Described as genus.

Type species: *Zelkovaphis trinacriae* Barbagallo, 2002; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Eriosomatinae Eriosomatini.

***Zinia*** Shaposhnikov, 1950

Publication reference: Entomologicheskoe Obozrenie, 31 (1-2): 221.

Described as genus.

Type species: *Zinia veronicae* Shaposhnikov, 1950; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

***Zymus* Heie, 1972**

Publication reference: *Steenstrupia*, 2: 254.

Described as genus.

Type species: *Zymus succinicola* Heie, 1972; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Drepanosiphinae.

***Zyxaphis* Knowlton, 1947**

Publication reference: *Pan-Pacific Entomologist*, 23: 35.

Described as genus.

Type species: *Zyxaphis utahensis* Knowlton, 1947; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Aphidini Aphidina — Subgenus of *Aphis* Linnaeus, 1758.



**UNAVAILABLE NAMES / NOMBRES INDISPONIBLES**

**Absinthaphis** Paik, 1972 (Illustrated Encyclopedia of the Fauna and Flora of Korea; Insecta (V): 247).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

**Absinthifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Acerifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Achillaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 474).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Aegopodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Allomyzus** Takahashi, 1965 (Insecta Matsumurana, 28 (1): 31).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

**Allotrichosiphon** Takahashi, 1962 (Transactions of the Shikoku Entomological Society, 7 (3): 70).

Cause of unavailability: Original spelling substituted with *Allotrichosiphum* Takahashi, 1962, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).

**Ammiaphis** Börner, 1944 (Aphidoidea, Blattläuse. Fauna von Deutschland. 5 Auflage (Brohmer ed.): 216).

Cause of unavailability: Established after 1930 without type species (Article 13.3); see *Ammiaphis* Börner, 1952.

**Amrhopalosiphonicus** Shinji, 1933 (Kontyû, 7: 270).

Cause of unavailability: Established after 1930 without text description (Article 13.1) and without type species (Article 13.3); sometimes considered synonym of *Rhopalosiphoninus* Baker (A.C.), 1920.

- Amyzus** Hille Ris Lambers, 1946 (Alta & van Leeuwen, 1946. Gallenboek. Nederlandse Zoöceciëdiën door dieren verorzaakte Gallen: 156).  
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Nectarosiphon* Schouteden, 1901.
- Annaja** Börner, 1952 (Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 249) [as subgenus of *Yezabura* Matsumura, 1917].  
Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a synonym of *Dysaphis* Börner, 1951.
- Archicallis** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).  
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Arthromyzus** Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of *Hyperomyzus* Börner, 1933].  
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Aspidophorodon** Verma, 1965 (Science as Culture, 31: 389).  
Cause of unavailability: Established after 1930 without text description (Article 13.1).
- Balsamitifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Bromaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Bumelifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Calamaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Callaphis** Mordvilko, 1908 (Biologische Centralblatt, 39 (3):102).  
Cause of unavailability: Established before 1931 without text description or indication (Article 12.1) and without available included species (Article 12.2.5).

- Callaphis** Mordvilko, 1914 (Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 27).  
Cause of unavailability: Established before 1931 without text description or indication (Article 12.1) and without available included species (Article 12.2.5)
- Carazzia** Del Guercio, 1930 (Redia, 19: 500).  
Cause of unavailability: Established in synonymy (Article 11.5) with *Clavisiphon* Del Guercio, 1930.
- Caricobium** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 8).  
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Cerasaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Cerasifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Chaetocallis** Börner, 1952 (Schriften der Thüringischen Landesarbeitsgemeinschaft für Heilpflanzenkunde und Heilpflanzenbeschaffung in Weimar, 4 (1), & Mitteilungen der Thüringischen Botanischen Gessellschaft, Beihaft 3 (1): 62).  
Cause of unavailability: Established in synonymy (Article 11.5) with *Hoplochaitophorus* Granovsky, 1933.
- Clethraphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Cornifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Corylaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Craccifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

- Crambaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Dianthaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Dryaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Elatiptus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Evonymaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Genistifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Humulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Idiovatus** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 217).  
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Iziphyopsis** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 214).  
Cause of unavailability: Established after 1930 without type species (Article 13.3).
- Jaceifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Judenkoa** Hille Ris Lambers, 1946 (Alta & van Leeuwen, Gallenboek, Nederlandse zoöcecidien door dieren veroorzaakte gallen: 158).

Cause of unavailability: Established after 1930 without text description (Article 13.1); see *Judenkoa* Hille Ris Lambers, 1953.

**Juglandifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Juniperifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Lachnaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Lachnodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Laricethus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 485).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Lychnidaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Lythraxis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Meconaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Mecynaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Melanosiphon** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 217).

Cause of unavailability: Established after 1930 without type species (Article 13.3).

**Myzaegirus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Myzodium** Börner, 1949 (Aphidoidea, Janetschek [Ed.], Berichte der Naturwissenschaftlich-Medizinischen Vereins in Innsbruck, 48-49: 153).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Myzosiphon** Hille Ris Lambers, 1946 (Alta & van Leeuwe, Gallenboek. Nederlandse Zoöceciëdiën door dieren verorzaakte Gallen: 244).

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered a subgenus of *Rhopalosiphoninus* Baker (A.C.), 1920, with a taxonomic sense as *Neorhopalosiphoninus* Ghosh (A.K.) & Raychaudhuri (D.N.), 1968.

**Neocalaphis** Shinji, 1927 (Bulletin of the Morioka Imperial College of Agriculture and Forestry, 11: 28).

Cause of unavailability: Established in synonymy (Article 11.5) with *Chromaphis* Walker, 1870.

**Neocinaria** Pašek, 1966 (Pintera, Acta Entomologica Bohemoslovaca, 63 (4): 282 [as subgenus of *Cinara* Curtis, 1835]).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Neotuberculatus** van der Goot, 1915 (Beiträge zur Kenntnis der Holländischen Blattläuse: 567).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Tuberculoïdes* van der Goot, 1915 is the adopted alternative original spelling.

**Nevskia** Mordvilko, 1932 (Trudy po Zashchite Rasteniy, (Ser. Entomologiya), 5: 236).

Cause of unavailability: Established after 1930 without text description (Article 13.1); sometimes considered synonym of *Melanaphis* van der Goot, 1917.

**Nigritarsifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Nymphaeifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Oncodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Ovatopsis** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).

Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).

**Oxyacanthaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Padifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Paracletius** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 487).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Paraoregma** Ghosh (A.K.), 1974 (Indian Agriculture, 88 (2): 102).

Cause of unavailability: Established after 1930 without text description (Article 13.1); see *Paraoregma* Ghosh (M.R.), Pal & Raychaudhuri, 1977.

**Paraphis** Mordvilko, 1955 (Shaposhnikov, Forest Pests: 795).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Pharalis** Leach, 1826 (Risso, Histoire Naturelle des Principales Productions Méridionales. 5: 217).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

**Phegirus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Philyriptus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Picridifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature

(Article 11.4).

**Pinetifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Pityaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Plantaginifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Platanaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Prunifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Pseudacaudella** Börner, 1944 (Brohmer [Ed.], Fauna von Deutschland. 5 Auflage: 216).

Cause of unavailability: Established after 1930 without type species (Article 13.3); see *Pseudacaudella* Börner, 1950.

**Pseudoastegopteryx** Ghosh (A.K.) (Indian Agriculture, 88 (2): 102).

Cause of unavailability: Established after 1930 without text description (Article 13.1; see *Pseudoastegopteryx* Ghosh (M.R.), Pal & Raychaudhuri, 1977.

**Pseudocinara** Pašek, 1966 (Pintera, Acta Entomologica Bohemoslovaca, 63 (4): 282).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Psorodaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Rhopalomyzus** Börner, 1950 (Neue Europäische Blattlausarten: 12) [as subgenus of *Hyperomyzus* Börner, 1933].

Cause of unavailability: Established after 1930 without type species (Article 13.3).



- Ribifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Rumicifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Salicetifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Salicifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 480).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Sambucifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 477).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Scolymaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Serratulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).  
Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).
- Shaposhnikovia** Aizenberg, 1954 (Novye dannye po sistematike i faune tley. Avtoreferat dissertacii na soiskanie uchenoy stepeni kandidata biologicheskikh nauk: 9).  
Cause of unavailability: Unpublished name (Articles 8.1.1 & 9.9).
- Sitobium** Mordvilko, 1919 (Fauna Rossii i sopredel'nyh stran. Nasekomye poluzestkokrylye, 1 (1): 65).  
Cause of unavailability: Original spelling substituted with *Sitobion* Mordvilko, 1914, spelling in frequent use and attributed to the author in the original work (Article 33.3.1).
- Solidaginifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).  
Cause of unavailability: No consistent application of binominal nomenclature

(Article 11.4).

**Sonchifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Styletaphis** Knowlton, 1972 (Utah Agricultural Experiment Station Mimeograph Series, 164: 6).

Cause of unavailability: Established after 1930 without text description (Article 13.1).

**Szelegiewiczia** Özdikem & Demir, 2007 (Munis Entomology and Zoology, 2 (2): 437).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Szelegiewicziana* Özdikem & Demir, 2007 is the adopted alternative original spelling.

**Taeniolachnus** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 481).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Tanacetifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 476).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Toxares** Williams, 1891 (University of Nebraska Department of Entomology Special Bulletin 1: 26).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

**Tramia** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 487).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Tremulifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Tremulinax** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 483).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Trichonosiphoniella** Shinji, 1929 (Lansania, 1: 46).

Cause of unavailability: Alternative original spelling not adopted by the

first reviser (Article 19.3); *Trichosiphoniella* Shinji, 1929 is the adopted alternative original spelling.

**Trichonosiphuniella** Shinji, 1929 (Lansania, 1: 41).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Trichosiphoniella* Shinji, 1929 is the adopted alternative original spelling.

**Urticifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 475).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Ussuraphis** Mordvilko, 1924 (Doklady Rossiyskoyi Akademii Sel'skokhozyaystvennykh Nauk, 1924: 49).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

**Uzbekaphis** Mordvilko, 1929 (Trudy Otdela Prikladnoy Entomologii Gosudarstvennogo Instituta Opytnoy Agronomii, 14: 83).

Cause of unavailability: Established before 1931 without description or indication (Article 12.1).

**Viburnifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 478).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Vitellinifex** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Watamushia** Matsumura, 1917 (Nagano, K. [Ed.], A Collection of Essays for Mr. Yasushi Nawa, 3: 93).

Cause of unavailability: Alternative original spelling not adopted by the first reviser (Article 19.3); *Watabura* Matsumura, 1917 is the adopted alternative original spelling.

**Xylosthaphis** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 479).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Xylosthaetius** Amyot, 1847 (Annales de la Société Entomologique de France, (ser. 2), 5: 484).

Cause of unavailability: No consistent application of binominal nomenclature (Article 11.4).

**Zabapaphis** Richards, 1971 (Memoirs of the Entomological Society of Canada, 80: 93, legend to figure).

Cause of unavailability: Established in synonymy (Article 11.5) with *Peltaphis* Frison & Ross, 1933.

## ADDED IN PROOFS / AÑADIDO EN LAS PRUEBAS

### *Gredinia* Pashchenko, 2000

Publication reference: Zoologicheskii Zhurnal, 79 (5): 631.

Described as genus.

Type species: *Gredinia pilosotuba* Pashchenko, 2000; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

### *Rostratusaphis* Fang & Qiao, 2009

Publication reference: Oriental Insects, 43: 59.

Described as genus.

Type species: *Rostratusaphis rhododendronitos* Fang & Qiao, 2009; by original designation.

Objective status: Available & potentially valid.

Subjective status: Valid.

Taxonomic position: Aphididae Aphidinae Macrosiphini.

*Gredinia* (Elena Pavlovna) Gredin(a) [Russian aphidologist] + -ia Feminine

*Rostratusaphis* Latin rostr(um) 'beak' 'rostrum' + Latin -ātus 'with' + Aphis Feminine

The inclusion of *Gredinia* Pashchenko and *Rostratusaphis* Fang & Qiao raises the total number of established genus-group names to 1,332, of which 1,222 are available. Of these, 1,113 are objectively valid and 775 are subjectively valid.

Con esta adición los géneros establecidos son 1332, los disponibles, 1222, y los válidos objetivos y subjetivos son, respectivamente, 1113 y 775.